

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024841.D
 Acq On : 22 Jun 2018 19:01
 Operator : MD/SY
 Sample : VU0623WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Quant Time: Jun 23 02:14:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	249699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132811	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
35) Dibromofluoromethane	4.89	113	107383	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	7.57	98	377748	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	10.31	95	149730	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39425	17.66	ug/l	99
3) Chloromethane	1.33	50	41505	18.20	ug/l	98
4) Vinyl Chloride	1.40	62	43364	18.44	ug/l	97
5) Bromomethane	1.62	94	28102	24.72	ug/l	93
6) Chloroethane	1.70	64	28466	21.05	ug/l	98
7) Trichlorofluoromethane	1.89	101	71907	20.03	ug/l	99
8) Diethyl Ether	2.10	74	26614	20.69	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42391	19.04	ug/l	97
10) Methyl Iodide	2.41	142	36564	22.64	ug/l	99
11) Tert butyl alcohol	2.82	59	59606	84.18	ug/l	100
12) 1,1-Dichloroethene	2.29	96	37584	18.51	ug/l	90
13) Acrolein	2.19	56	30865	83.01	ug/l	96
14) Allyl chloride	2.59	41	65108	17.27	ug/l	97
15) Acrylonitrile	2.94	53	130258	94.55	ug/l	97
16) Acetone	2.32	43	141738	90.61	ug/l	97
17) Carbon Disulfide	2.48	76	104722	16.11	ug/l	99
18) Methyl Acetate	2.62	43	67096	20.01	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	146872	19.24	ug/l	98
20) Methylene Chloride	2.71	84	46466	18.93	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	40782	18.23	ug/l	95
22) Diisopropyl ether	3.57	45	144071	19.28	ug/l	94
23) Vinyl Acetate	3.53	43	623359	93.10	ug/l	98
24) 1,1-Dichloroethane	3.45	63	82241	19.13	ug/l	98
25) 2-Butanone	4.26	43	193667	92.17	ug/l	98
26) 2,2-Dichloropropane	4.23	77	77716	19.04	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49461	19.24	ug/l	100
28) Bromochloromethane	4.55	49	36143	19.08	ug/l	90
29) Tetrahydrofuran	4.63	42	116047	89.18	ug/l	97
30) Chloroform	4.68	83	84321	19.38	ug/l	96
31) Cyclohexane	5.00	56	73921	18.10	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	76693	19.06	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59467	18.64	ug/l	96
37) Ethyl Acetate	4.38	43	70376	20.24	ug/l	97
38) Carbon Tetrachloride	5.14	117	68856	19.63	ug/l	99

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Quant Time: Jun 23 02:14:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.42	83	77142	19.38	ug/l	93
40) Benzene	5.39	78	178547	19.64	ug/l	100
41) Methacrylonitrile	4.54	41	38401	20.49	ug/l	98
42) 1,2-Dichloroethane	5.41	62	72637	20.98	ug/l	100
43) Isopropyl Acetate	5.55	43	115568	19.23	ug/l	99
44) Trichloroethene	6.19	130	49765	19.24	ug/l	94
45) 1,2-Dichloropropane	6.44	63	48437	19.97	ug/l	94
46) Dibromomethane	6.56	93	34413	20.20	ug/l	96
47) Bromodichloromethane	6.76	83	66370	19.57	ug/l	99
48) Methyl methacrylate	6.62	41	57445	19.63	ug/l	97
49) 1,4-Dioxane	6.62	88	26072	455.60	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	367359	97.30	ug/l	99
52) Toluene	7.64	92	115376	19.73	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	71614	18.80	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	75855	18.69	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48205	20.28	ug/l	96
56) Ethyl methacrylate	8.02	69	77070	19.37	ug/l	98
57) 1,3-Dichloropropane	8.25	76	80635	20.11	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	143303	94.02	ug/l	96
59) 2-Hexanone	8.36	43	296080	96.06	ug/l	100
60) Dibromochloromethane	8.48	129	54048	18.23	ug/l	98
61) 1,2-Dibromoethane	8.59	107	51345	19.41	ug/l	97
64) Tetrachloroethene	8.23	164	44605	18.79	ug/l	96
65) Chlorobenzene	9.12	112	132435	20.76	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	48910	20.18	ug/l	98
67) Ethyl Benzene	9.25	91	225402	20.16	ug/l	96
68) m/p-Xylenes	9.38	106	177912	41.43	ug/l	95
69) o-Xylene	9.78	106	87554	20.60	ug/l	95
70) Styrene	9.80	104	140425	20.11	ug/l	99
71) Bromoform	9.96	173	40510	17.59	ug/l #	99
73) Isopropylbenzene	10.17	105	234870	20.68	ug/l	99
74) N-amyl acetate	10.01	43	103017	19.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	78745	20.69	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	91651	28.14	ug/l	82
77) Bromobenzene	10.45	156	57992	20.17	ug/l	96
78) n-propylbenzene	10.59	91	267832	20.02	ug/l	98
79) 2-Chlorotoluene	10.66	91	161181	20.43	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	203206	20.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	91651	65.12	ug/l #	100
82) 4-Chlorotoluene	10.78	91	183488	19.98	ug/l	99
83) tert-Butylbenzene	11.10	119	202242	21.35	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	206103	20.54	ug/l	100
85) sec-Butylbenzene	11.33	105	245881	20.74	ug/l	98
86) p-Isopropyltoluene	11.48	119	216817	20.42	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	109103	20.53	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110062	20.58	ug/l	99
89) n-Butylbenzene	11.89	91	180008	19.10	ug/l	97
90) Hexachloroethane	12.15	117	37984	18.34	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	112691	21.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20177	19.21	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74574	22.69	ug/l	99
94) Hexachlorobutadiene	13.70	225	39619	21.42	ug/l	98
95) Naphthalene	13.75	128	240360	22.47	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	80284	24.52	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

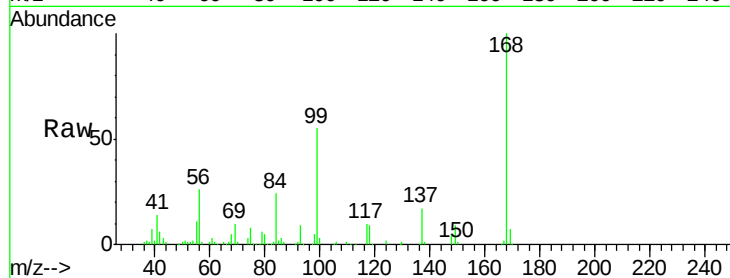
VU0623WBS01

Tot Ion:168 Resp: 178339

Ion Ratio Lower Upper

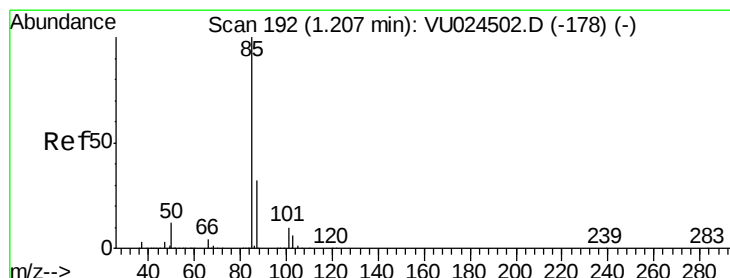
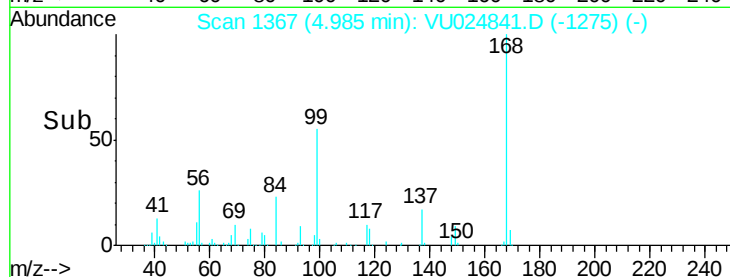
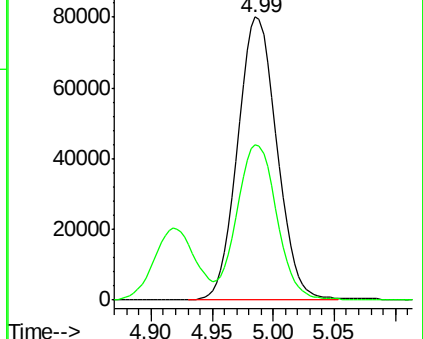
168 100

99 54.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 17.66 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024841.D

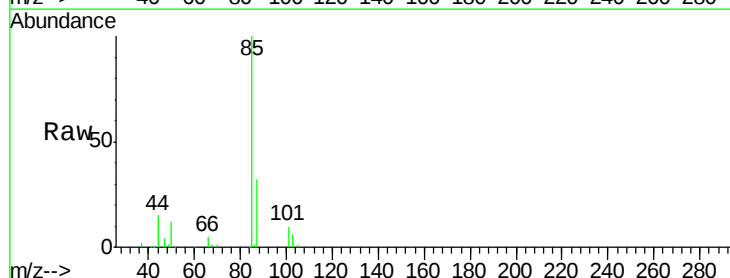
Acq: 22 Jun 2018 19:01

Tgt Ion: 85 Resp: 39425

Ion Ratio Lower Upper

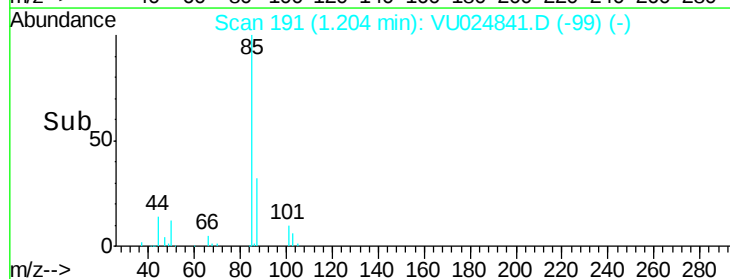
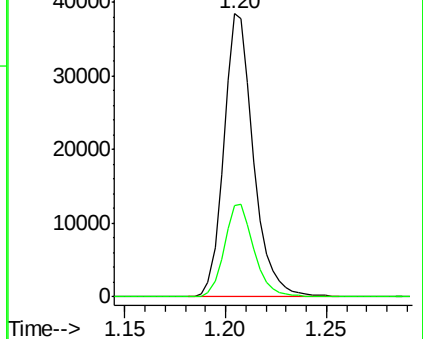
85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 18.20 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

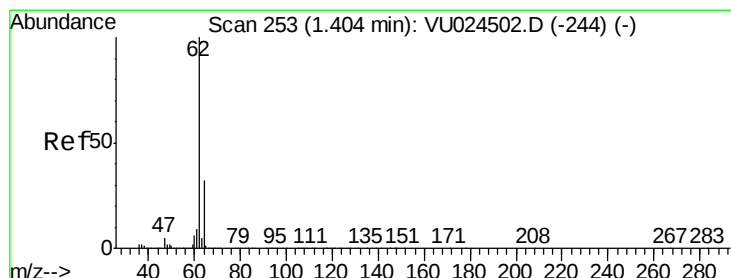
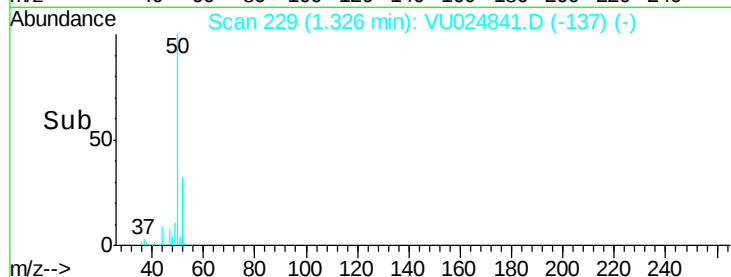
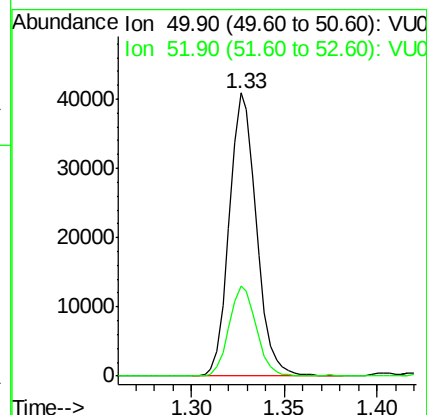
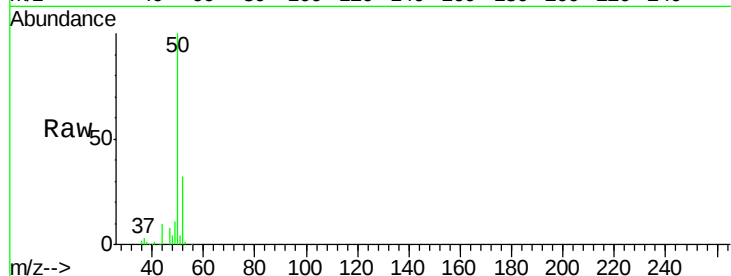
VU0623WBS01

Tot Ion: 50 Resp: 41505

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 18.44 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024841.D

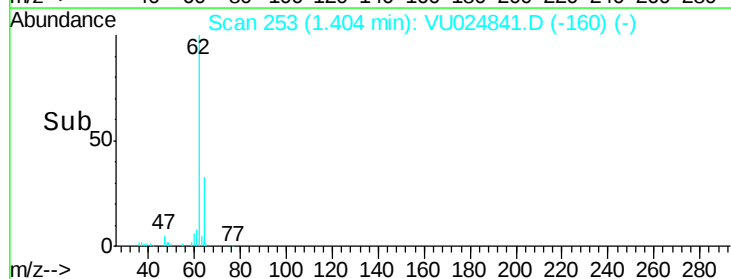
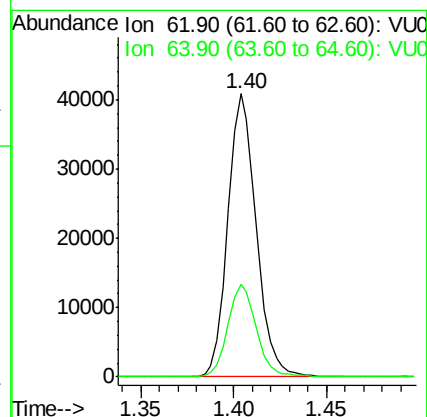
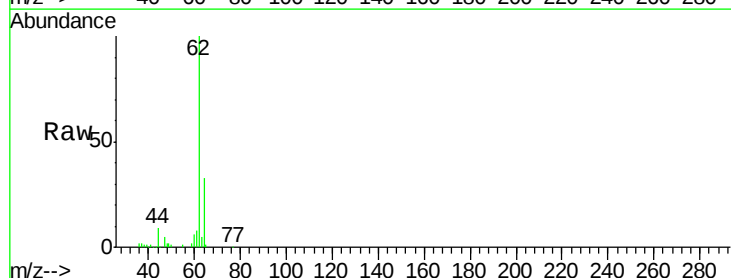
Acq: 22 Jun 2018 19:01

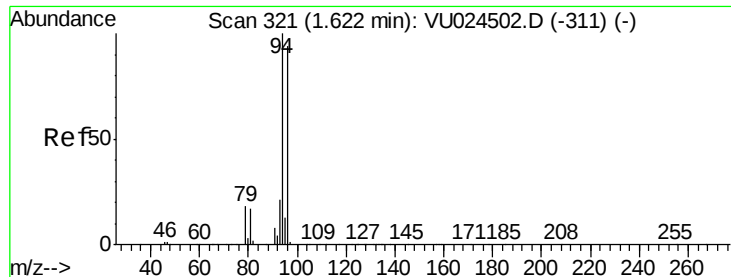
Tgt Ion: 62 Resp: 43364

Ion Ratio Lower Upper

62 100

64 32.8 24.8 37.2





#5

Bromomethane

Concen: 24.72 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

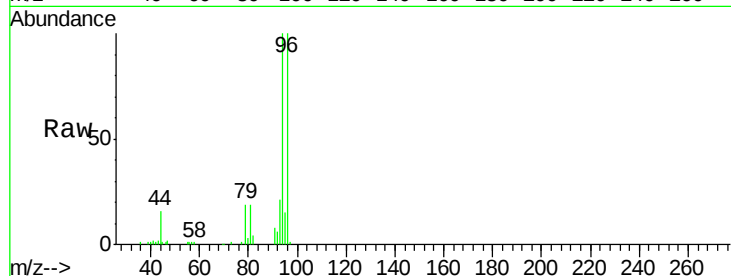
VU0623WBS01

Tot Ion: 94 Resp: 28102

Ion Ratio Lower Upper

94 100

96 99.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

25000

20000

15000

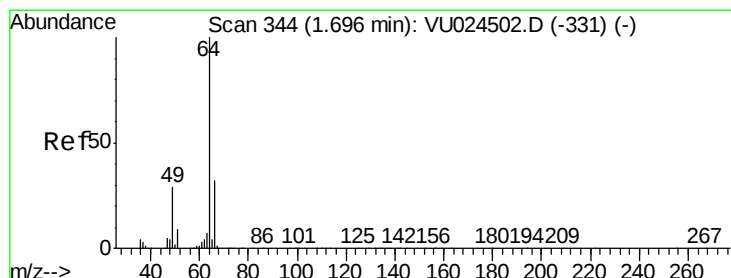
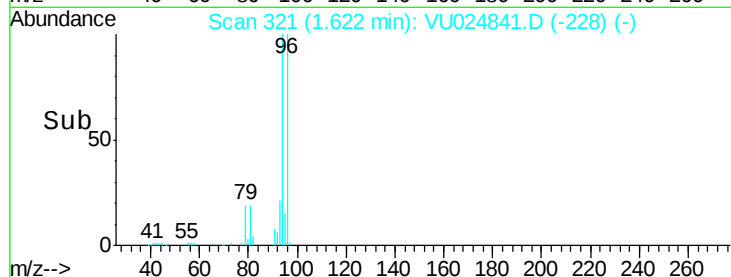
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 21.05 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024841.D

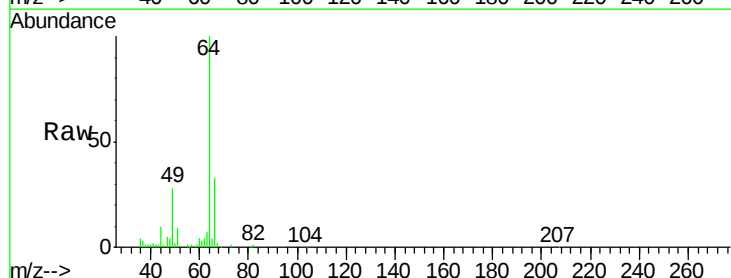
Acq: 22 Jun 2018 19:01

Tgt Ion: 64 Resp: 28466

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

25000

20000

15000

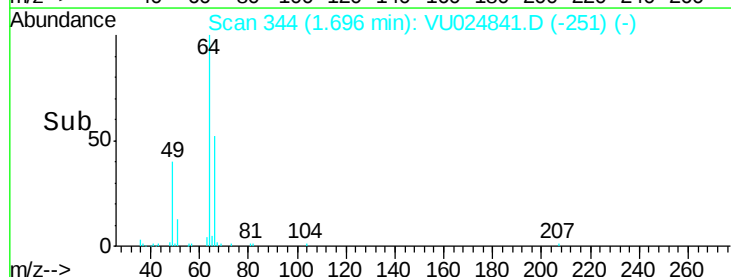
10000

5000

0

Time-->

1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 20.03 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

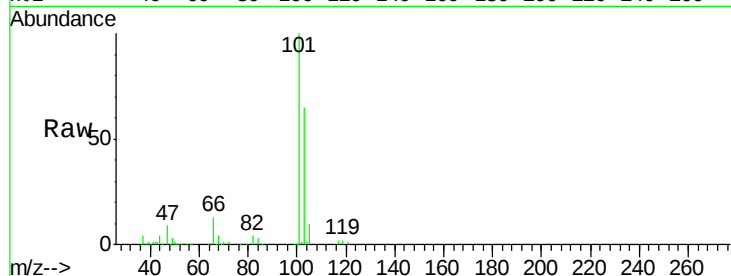
VU0623WBS01

Tot Ion:101 Resp: 71907

Ion Ratio Lower Upper

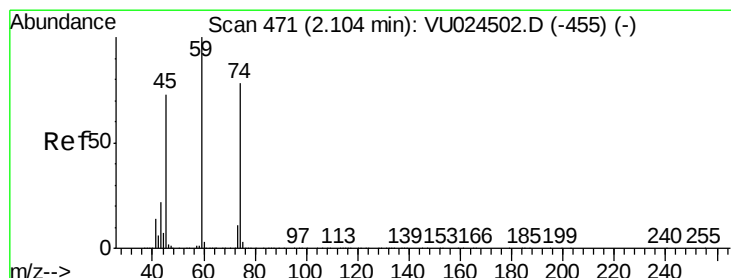
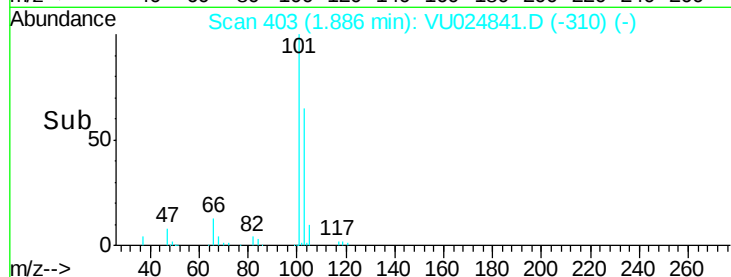
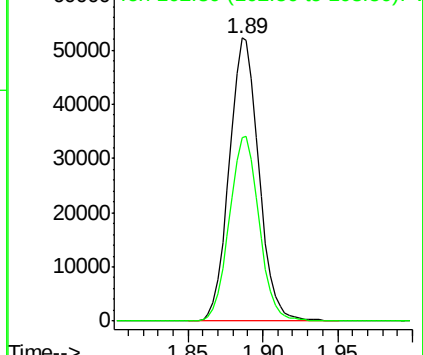
101 100

103 64.8 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.69 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024841.D

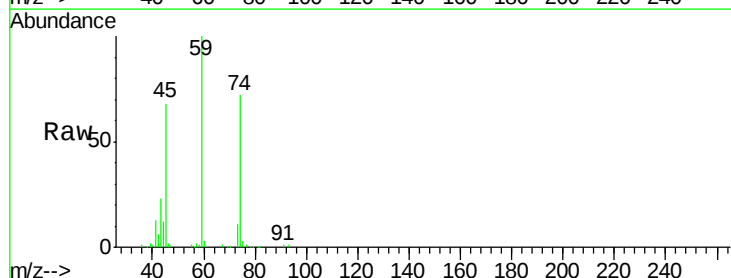
Acq: 22 Jun 2018 19:01

Tgt Ion: 74 Resp: 26614

Ion Ratio Lower Upper

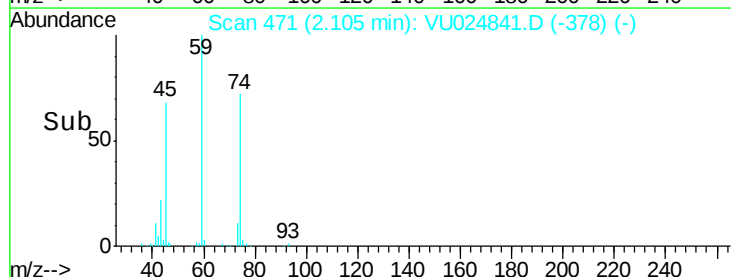
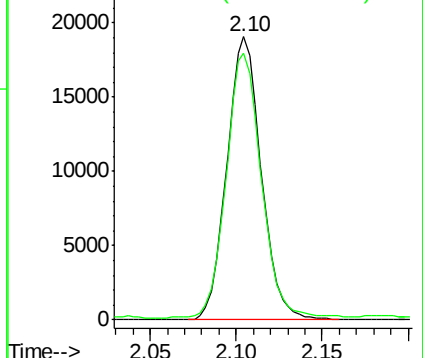
74 100

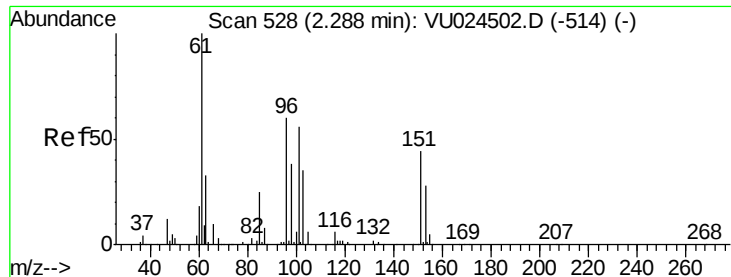
45 95.8 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.04 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

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VU0623WBS01

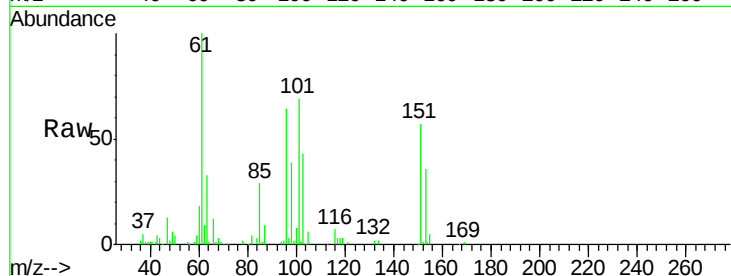
Tot Ion:101 Resp: 42391

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

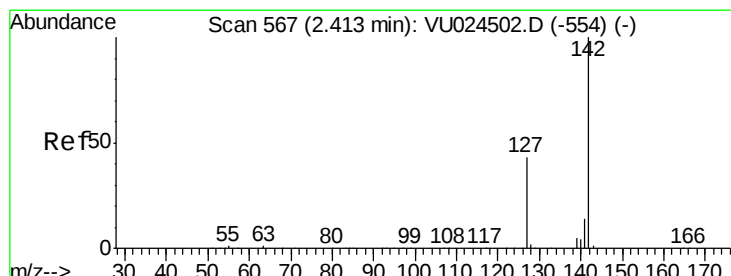
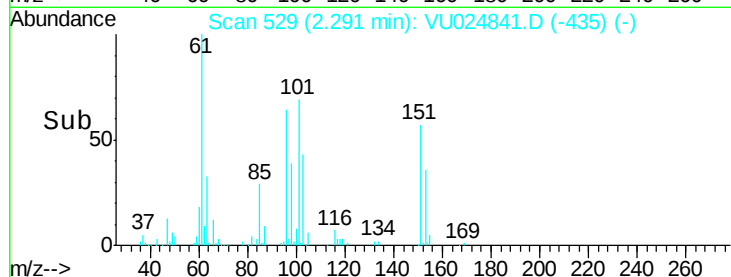
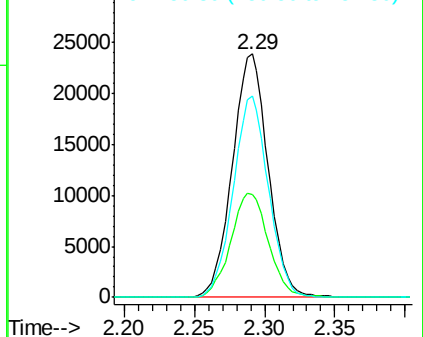
151 81.3 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.64 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

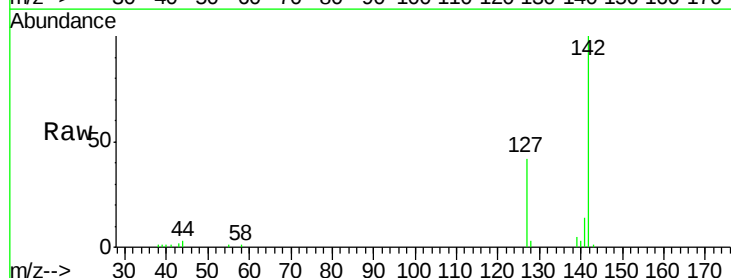
Tgt Ion:142 Resp: 36564

Ion Ratio Lower Upper

142 100

127 44.0 35.6 53.4

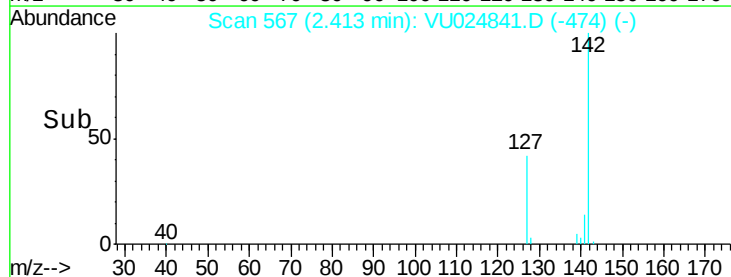
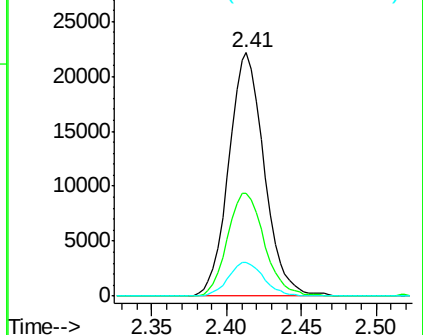
141 13.8 11.7 17.5

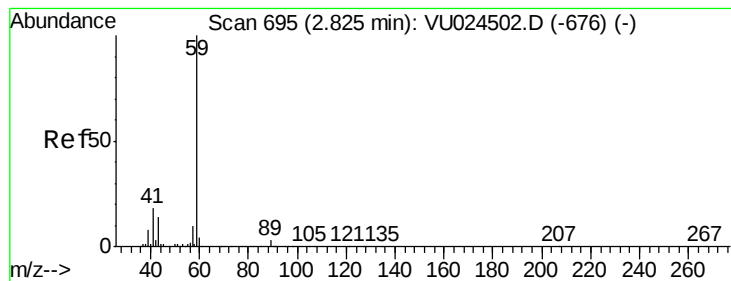


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.18 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

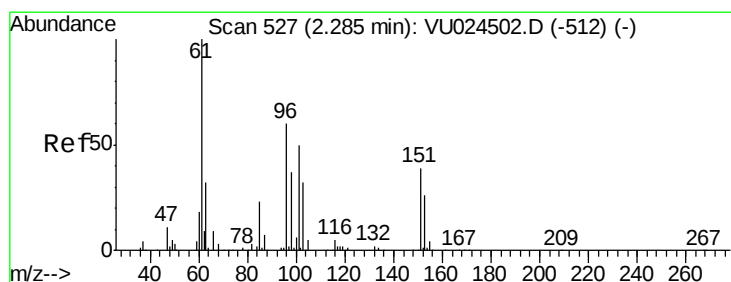
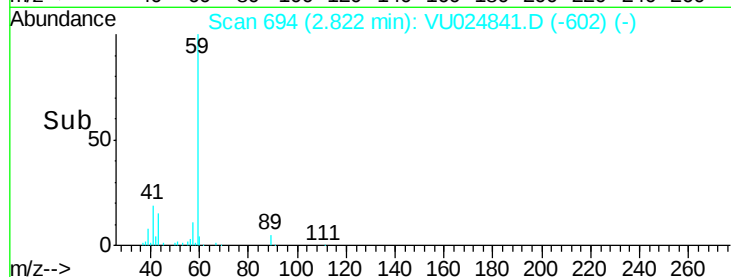
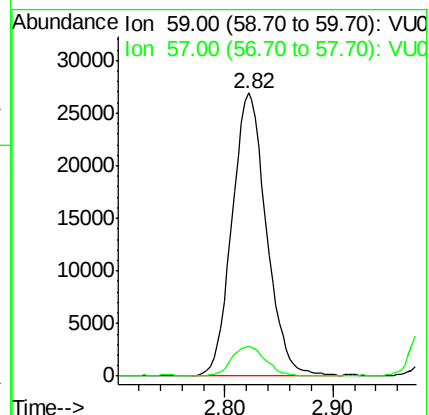
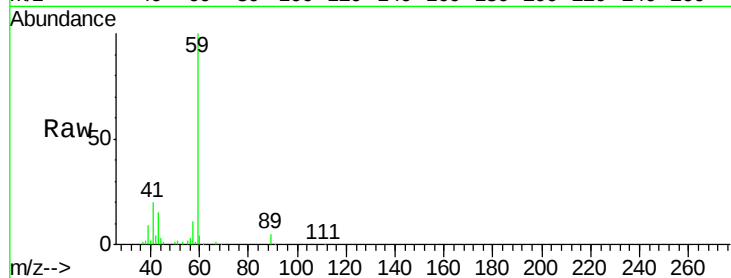
VU0623WBS01

Tot Ion: 59 Resp: 59606

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#12

1,1-Dichloroethene

Concen: 18.51 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

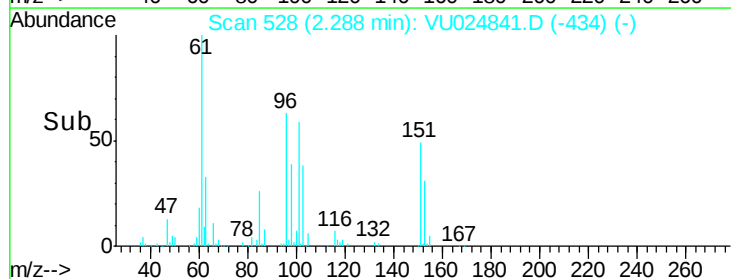
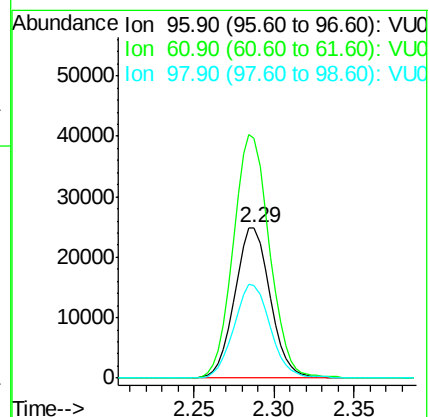
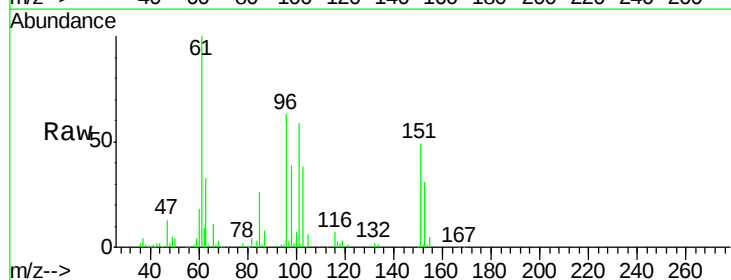
Tgt Ion: 96 Resp: 37584

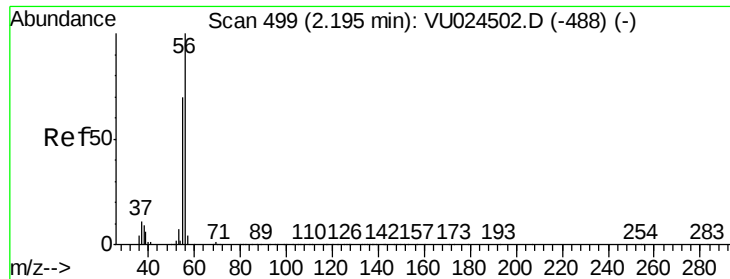
Ion Ratio Lower Upper

96 100

61 159.3 141.7 212.5

98 61.6 51.6 77.4





#13

Acrolein

Concen: 83.01 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

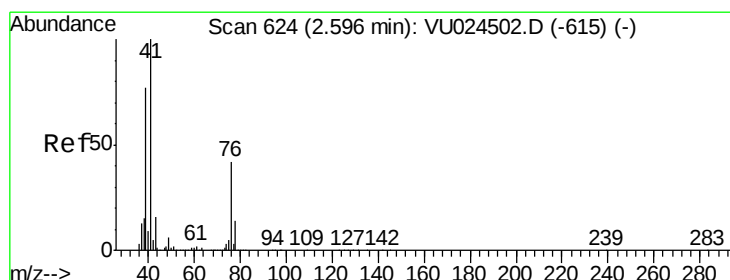
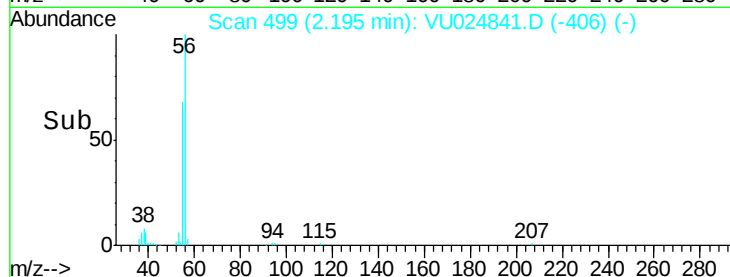
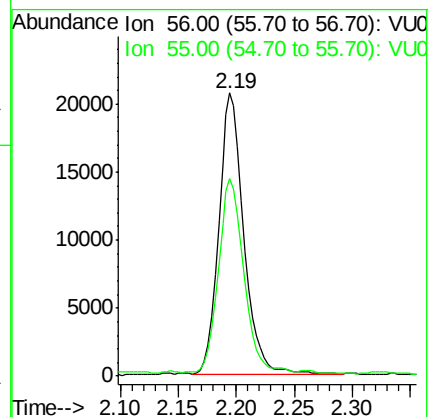
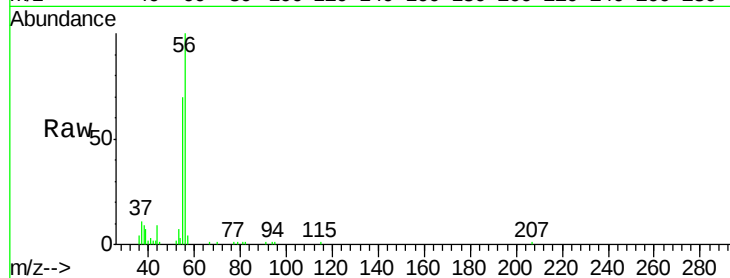
VU0623WBS01

Tot Ion: 56 Resp: 30865

Ion Ratio Lower Upper

56 100

55 69.7 58.4 87.6



#14

Allyl chloride

Concen: 17.27 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

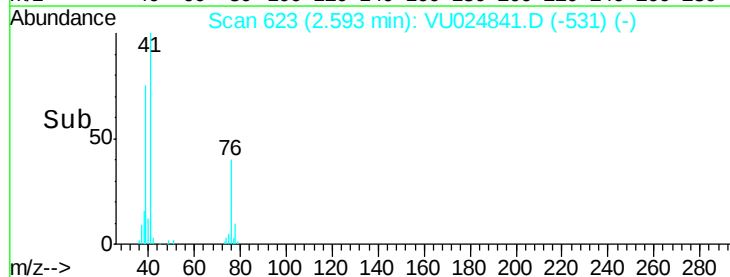
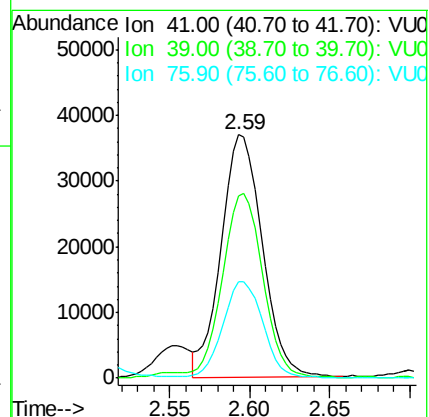
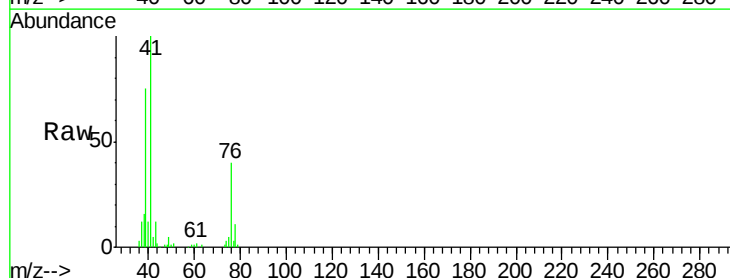
Tgt Ion: 41 Resp: 65108

Ion Ratio Lower Upper

41 100

39 74.1 61.6 92.4

76 38.9 29.7 44.5





#15

Acrylonitrile

Concen: 94.55 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

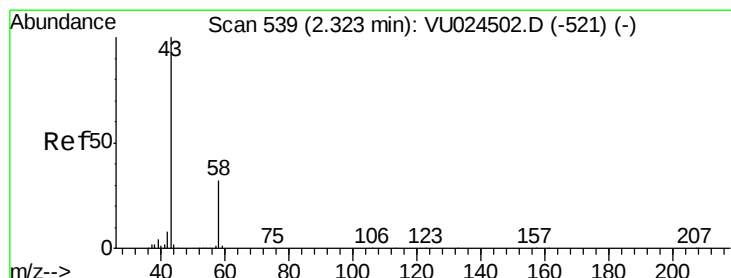
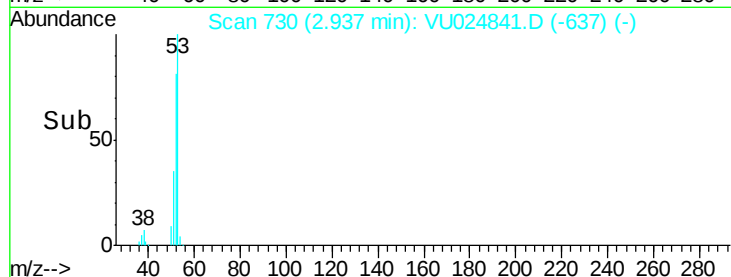
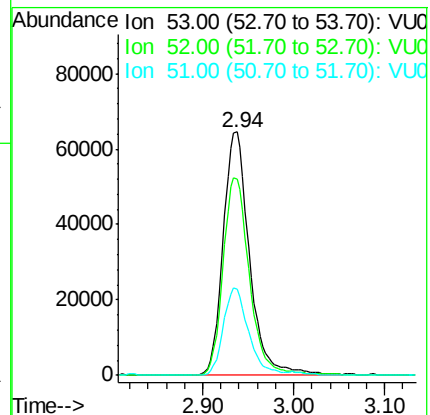
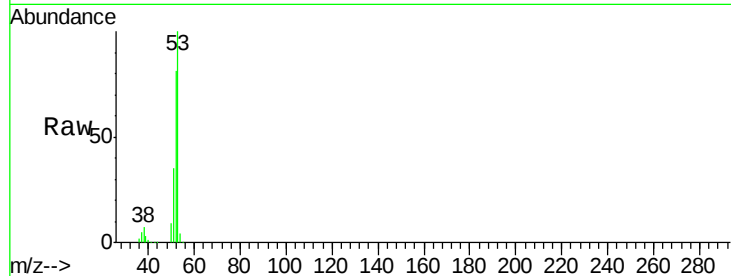
Tot Ion: 53 Resp: 130258

Ion Ratio Lower Upper

53 100

52 80.8 67.1 100.7

51 34.2 28.4 42.6



#16

Acetone

Concen: 90.61 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024841.D

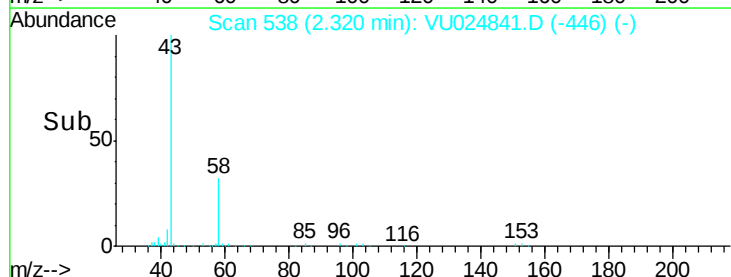
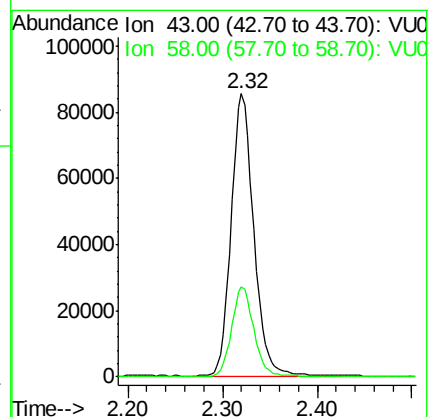
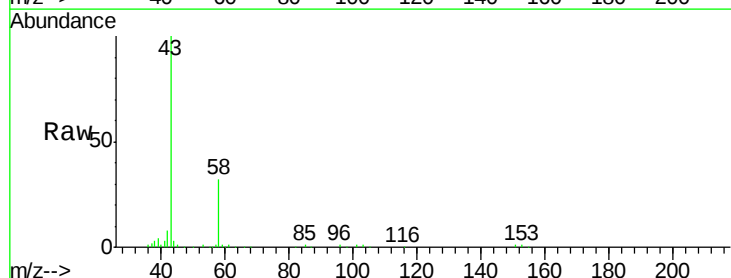
Acq: 22 Jun 2018 19:01

Tgt Ion: 43 Resp: 141738

Ion Ratio Lower Upper

43 100

58 32.1 24.4 36.6





#17

Carbon Disulfide

Concen: 16.11 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

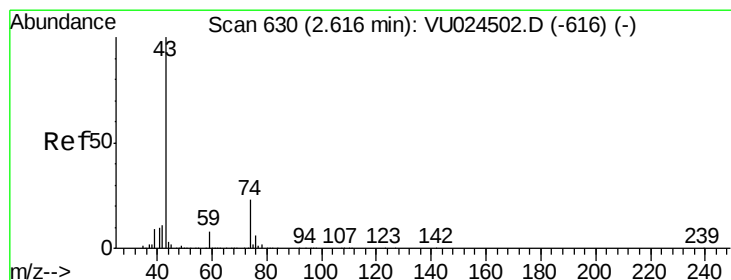
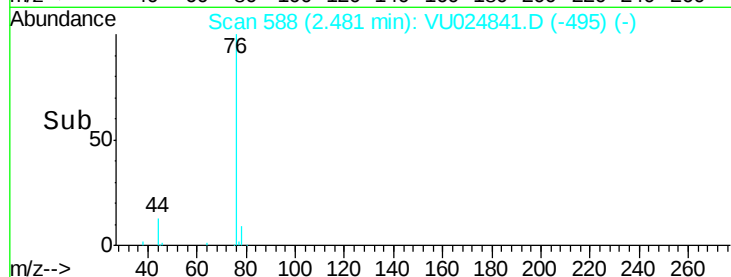
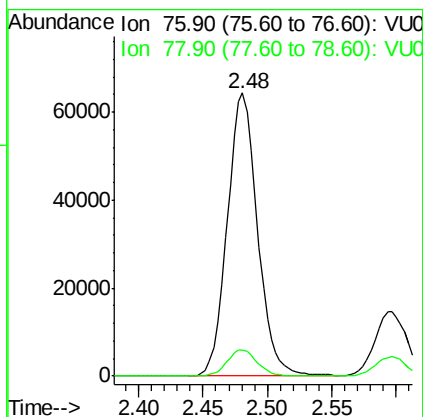
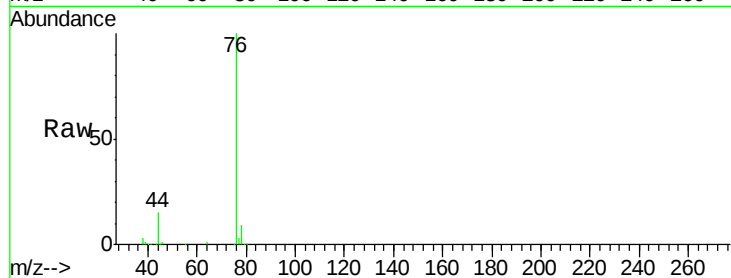
VU0623WBS01

Tot Ion: 76 Resp: 104722

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



#18

Methyl Acetate

Concen: 20.01 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024841.D

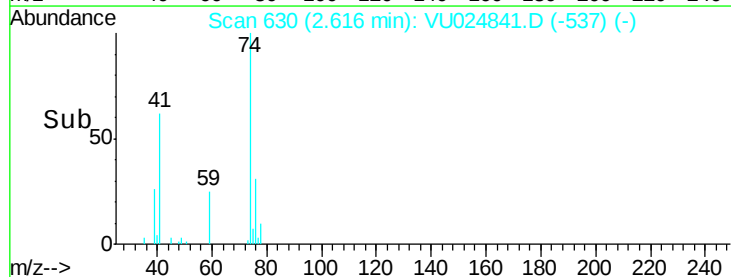
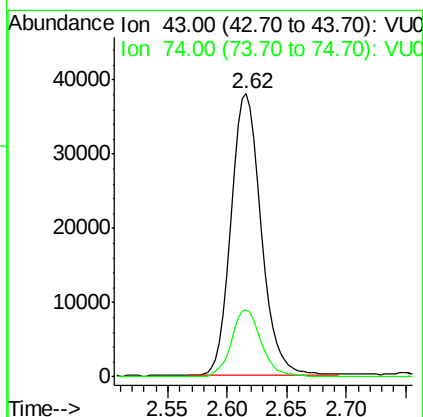
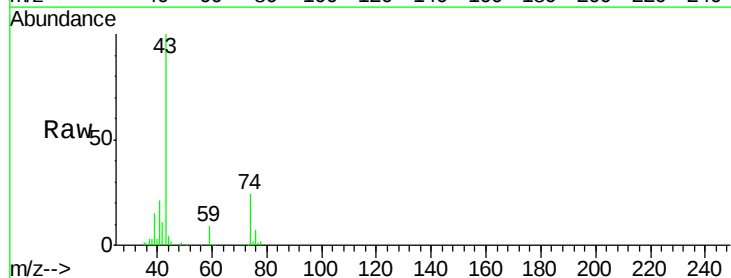
Acq: 22 Jun 2018 19:01

Tgt Ion: 43 Resp: 67096

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0

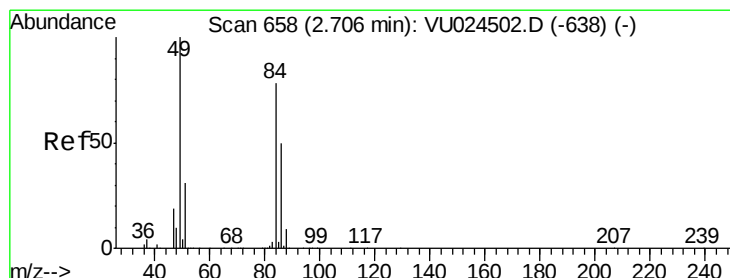
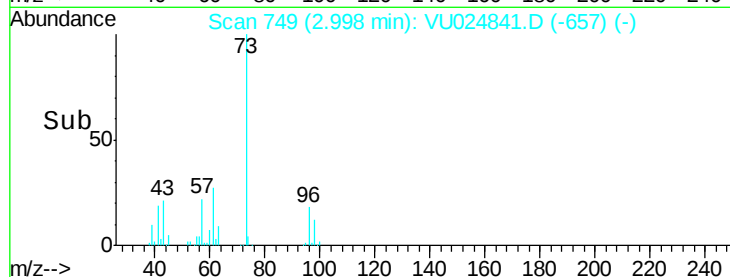
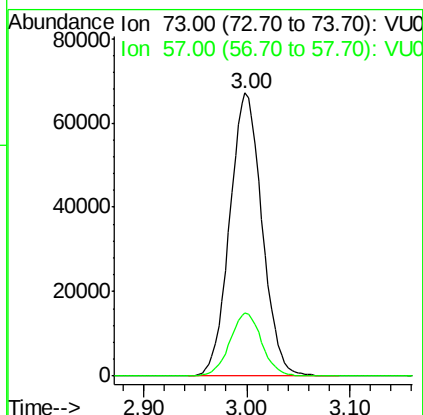
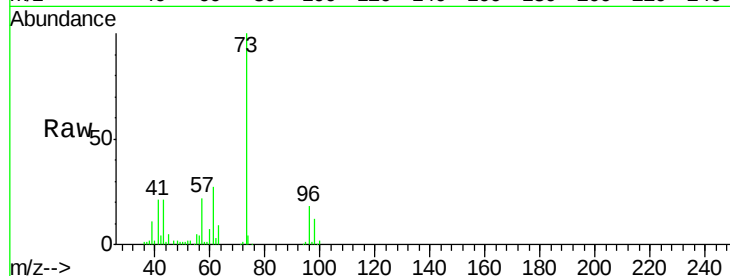




#19
Methyl tert-butyl Ether
Concen: 19.24 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

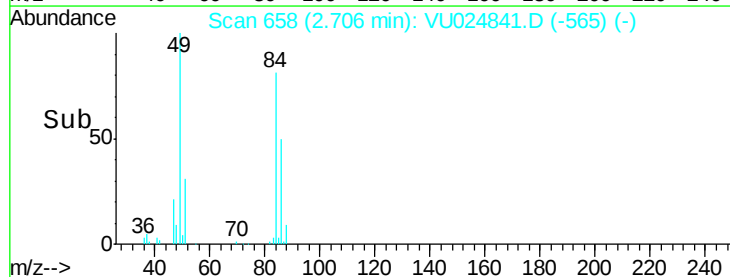
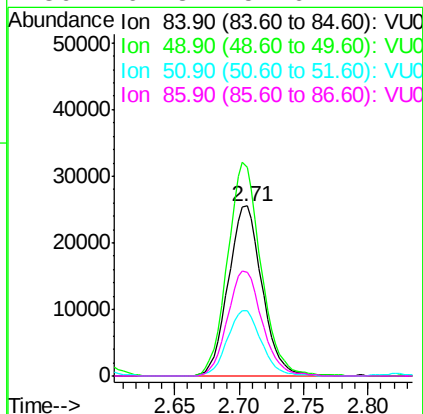
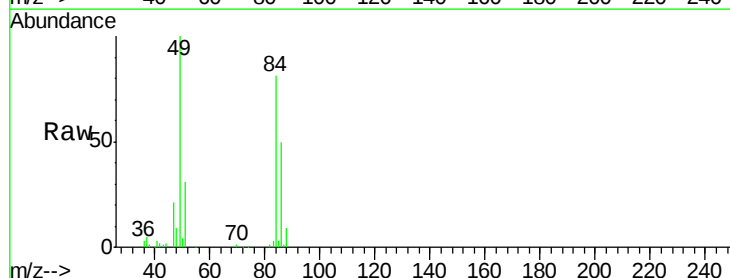
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 73 Resp: 146872
Ion Ratio Lower Upper
73 100
57 22.4 18.8 28.2



#20
Methylene Chloride
Concen: 18.93 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 84 Resp: 46466
Ion Ratio Lower Upper
84 100
49 123.3 103.8 155.8
51 38.1 32.0 48.0
86 61.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

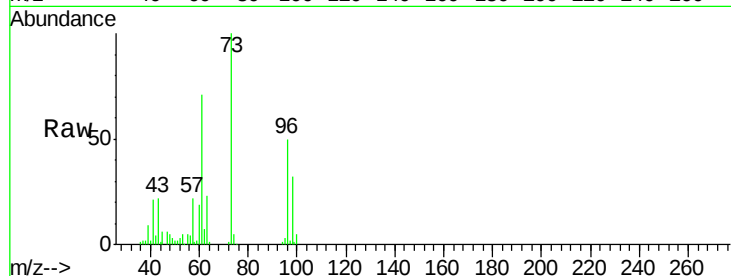
Tot Ion: 96 Resp: 40782

Ion Ratio Lower Upper

96 100

61 140.5 119.4 179.0

98 64.6 51.1 76.7

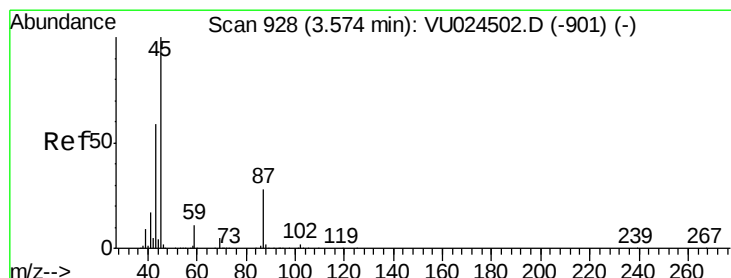
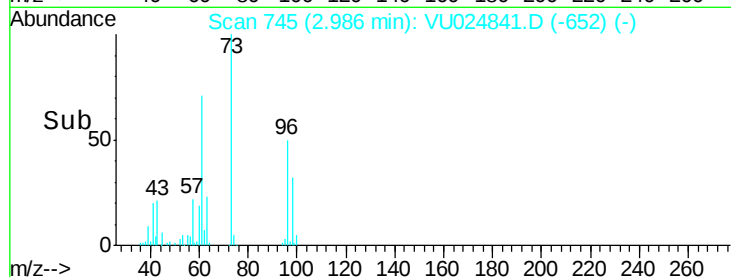
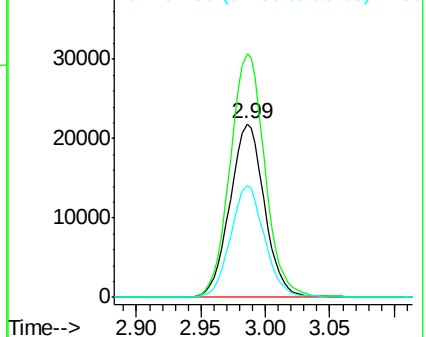


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.28 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Tgt Ion: 45 Resp: 144071

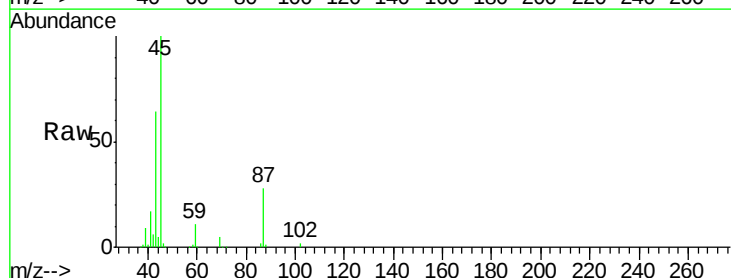
Ion Ratio Lower Upper

45 100

43 62.4 45.8 68.6

87 28.3 20.6 31.0

59 11.2 9.4 14.0



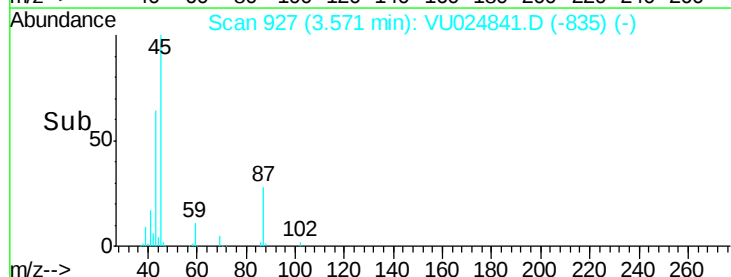
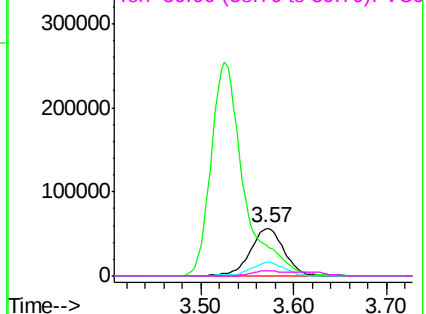
Abundance

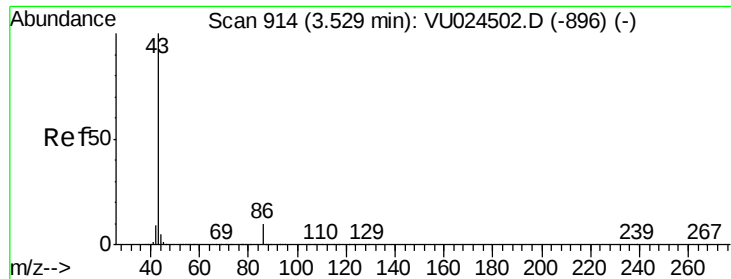
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 93.10 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

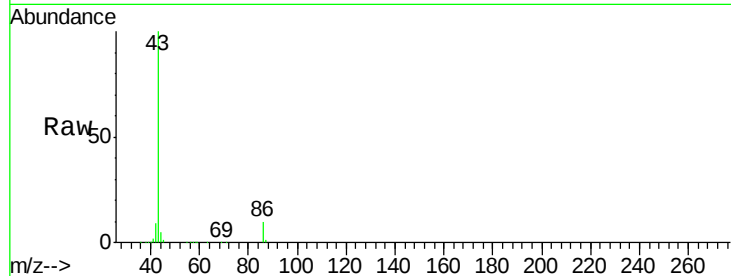
VU0623WBS01

Tot Ion: 43 Resp: 623359

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

300000

250000

200000

150000

100000

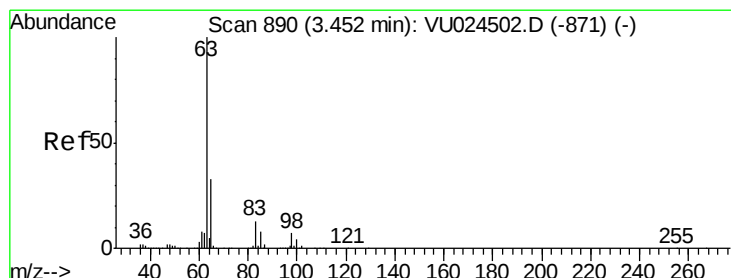
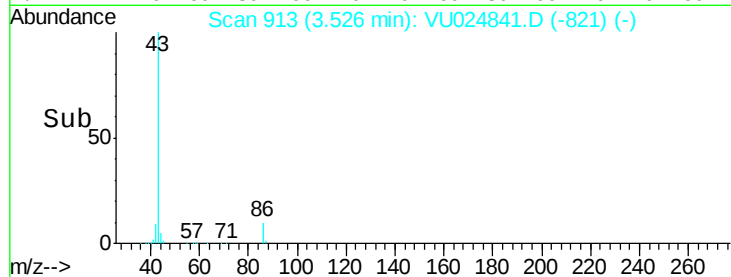
50000

0

Time-->

3.40 3.50 3.60 3.70

3.53



#24

1,1-Dichloroethane

Concen: 19.13 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

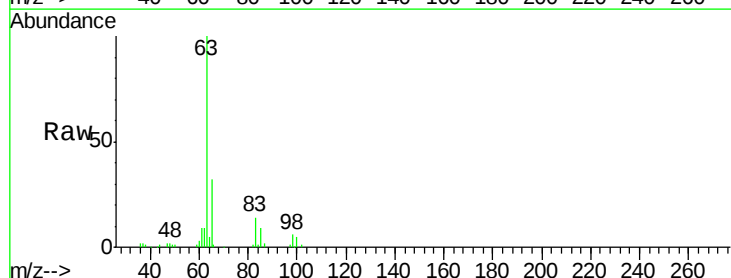
Tgt Ion: 63 Resp: 82241

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

50000

40000

30000

20000

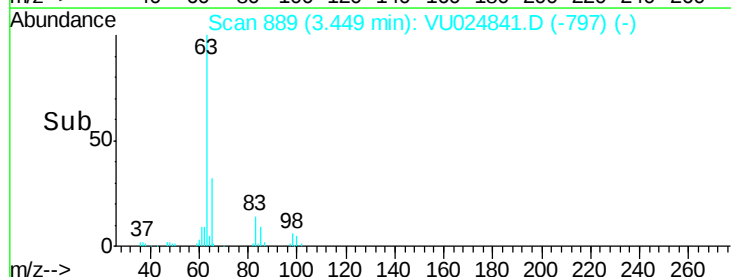
10000

0

Time-->

3.40 3.50

3.45

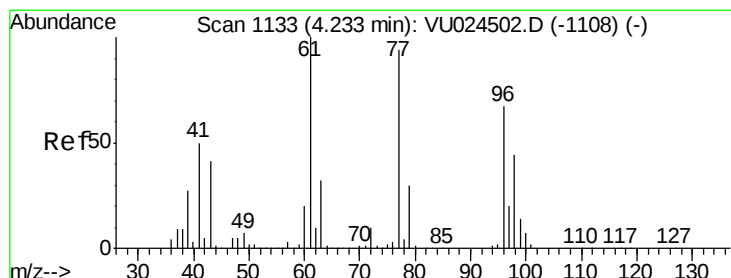
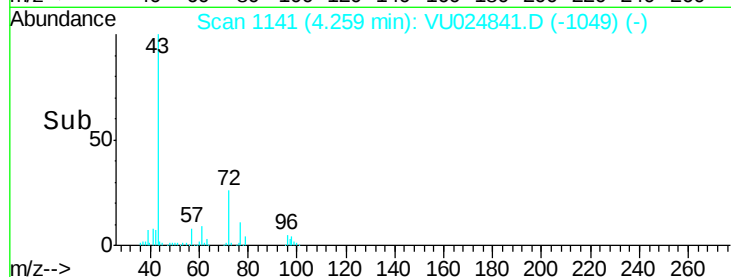
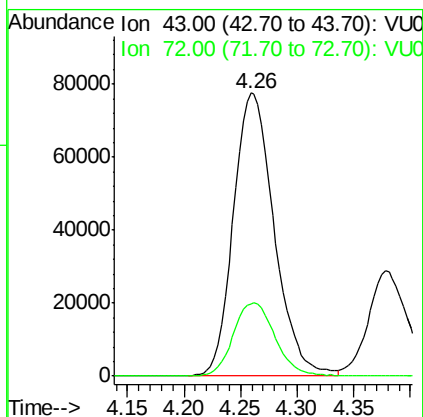
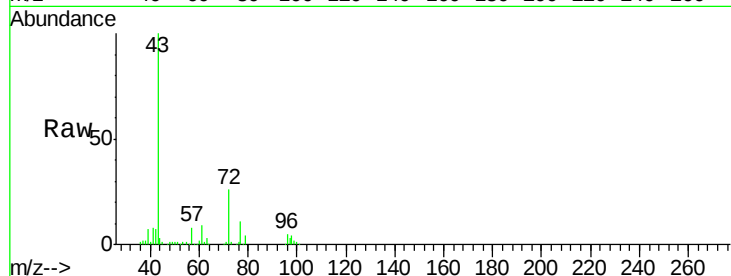




#25
 2-Butanone
 Concen: 92.17 ug/l
 RT: 4.26 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

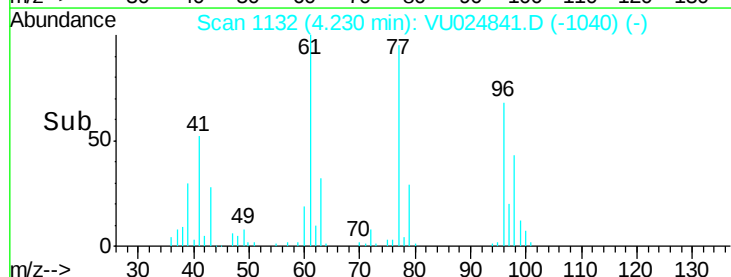
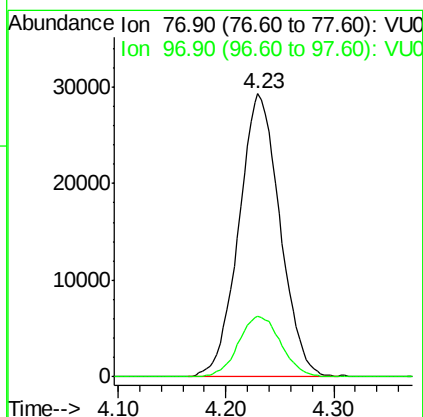
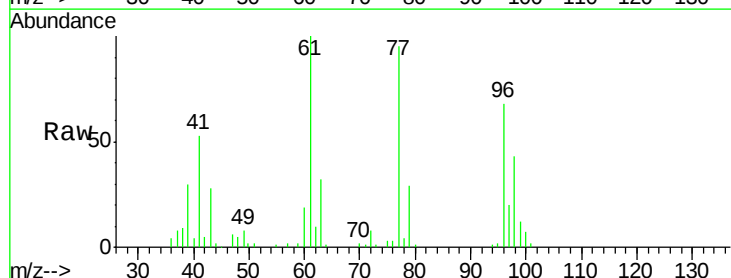
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion: 43 Resp: 193667
 Ion Ratio Lower Upper
 43 100
 72 25.4 19.6 29.4



#26
 2,2-Dichloropropane
 Concen: 19.04 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 77 Resp: 77716
 Ion Ratio Lower Upper
 77 100
 97 22.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

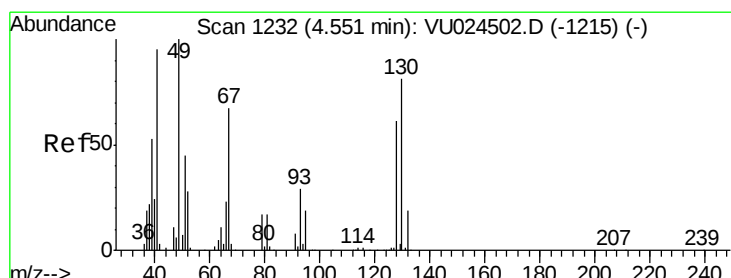
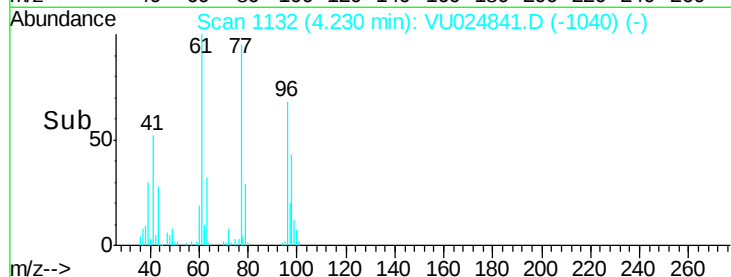
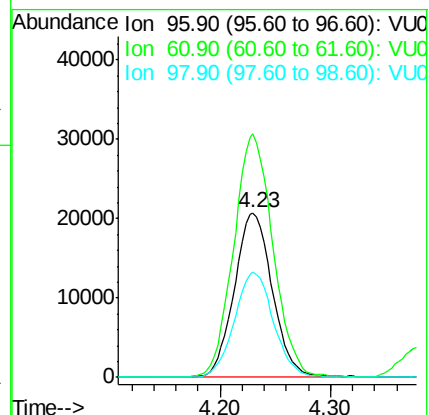
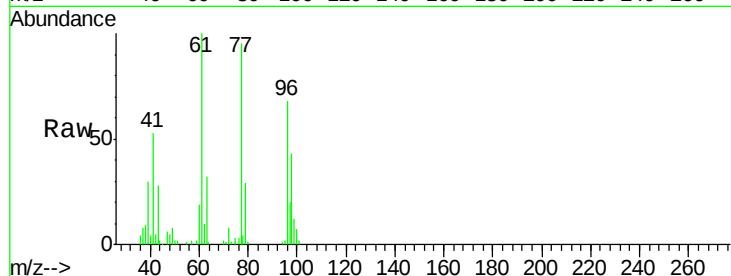
Tot Ion: 96 Resp: 49461

Ion Ratio Lower Upper

96 100

61 153.4 0.0 306.6

98 65.5 0.0 128.8



#28

Bromochloromethane

Concen: 19.08 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

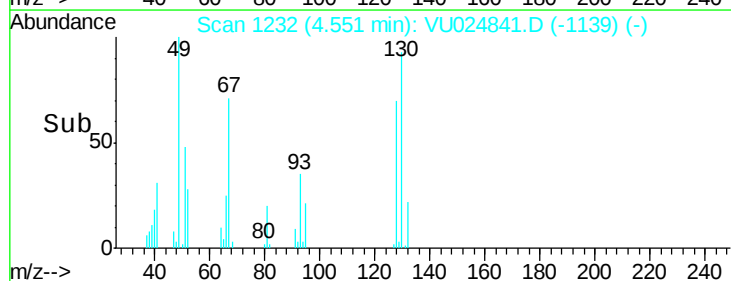
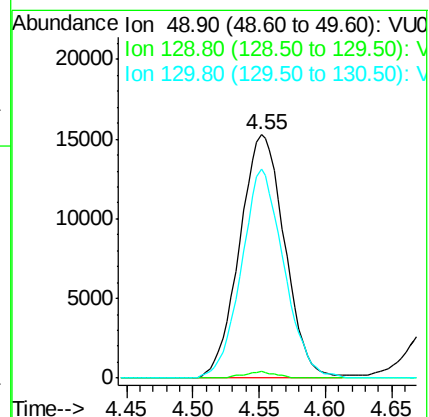
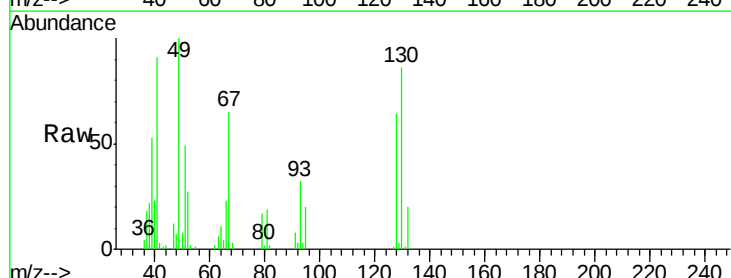
Tgt Ion: 49 Resp: 36143

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 80.9 57.8 86.6

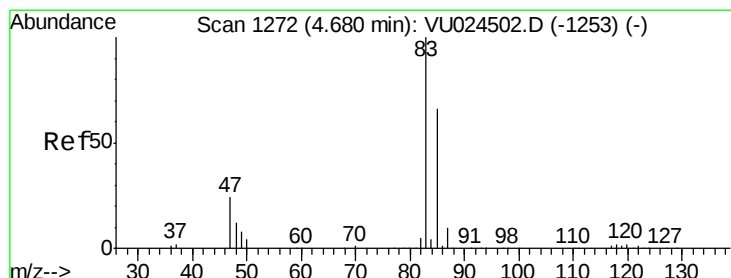
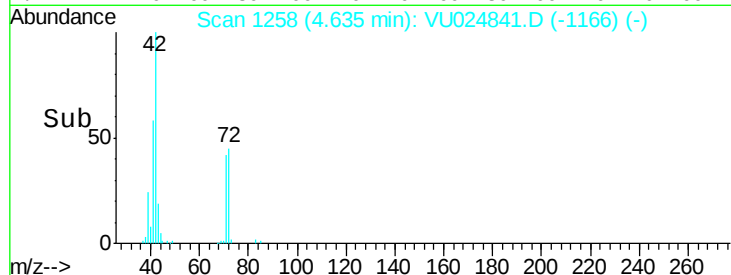
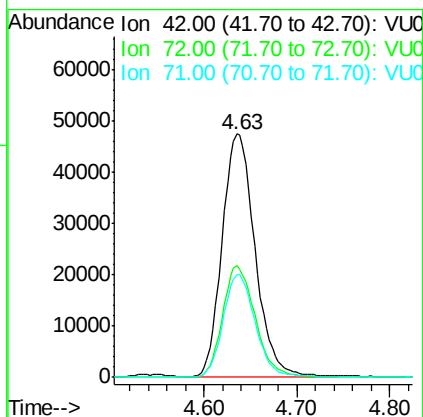
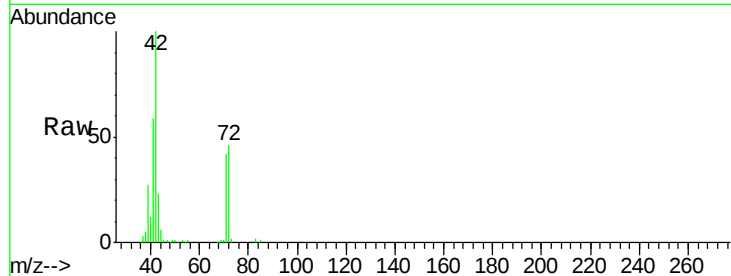




#29
Tetrahydrofuran
Concen: 89.18 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

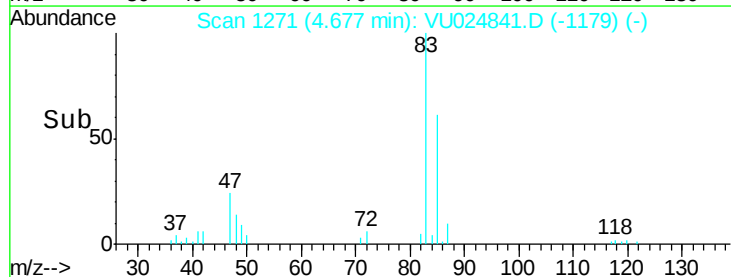
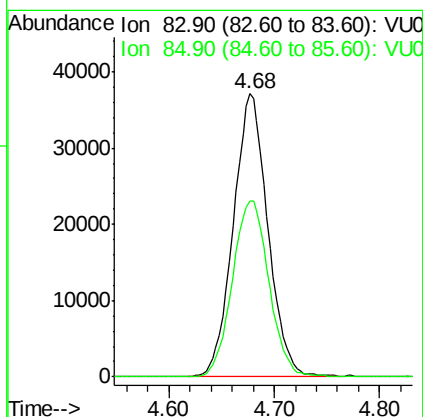
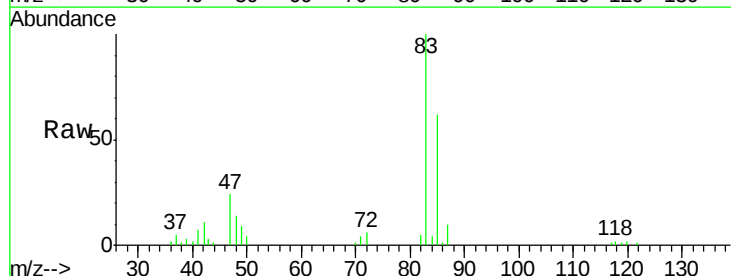
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

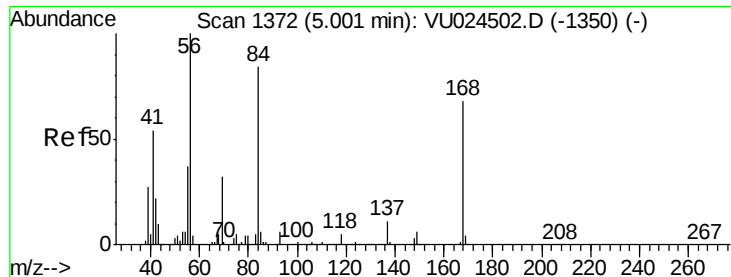
Tot Ion: 42 Resp: 116047
Ion Ratio Lower Upper
42 100
72 45.8 34.5 51.7
71 41.7 32.2 48.4



#30
Chloroform
Concen: 19.38 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 83 Resp: 84321
Ion Ratio Lower Upper
83 100
85 62.0 52.4 78.6

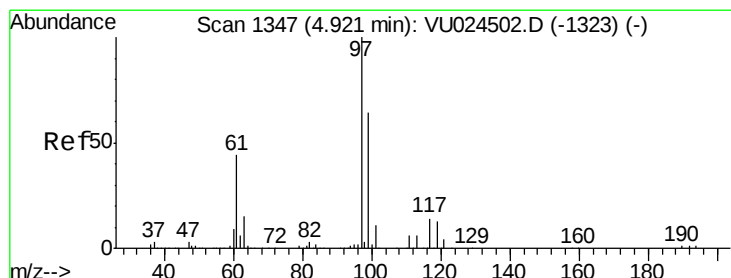
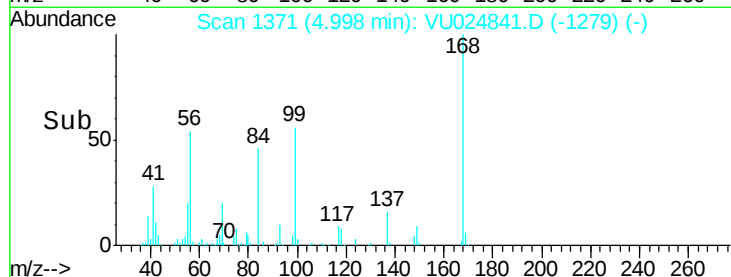
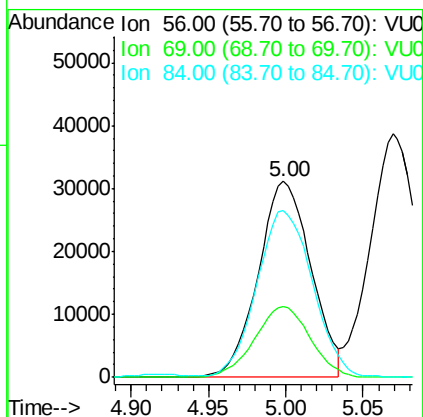
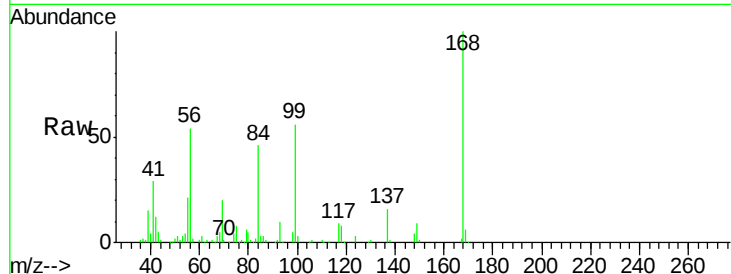




#31
Cyclohexane
Concen: 18.10 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

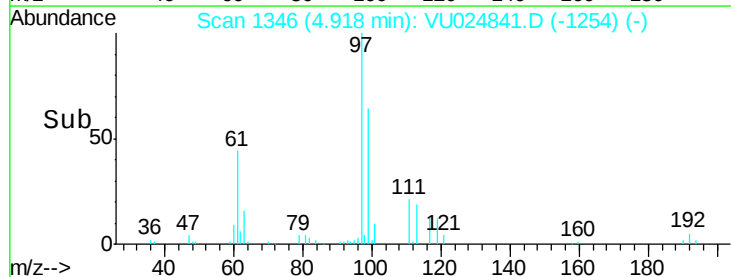
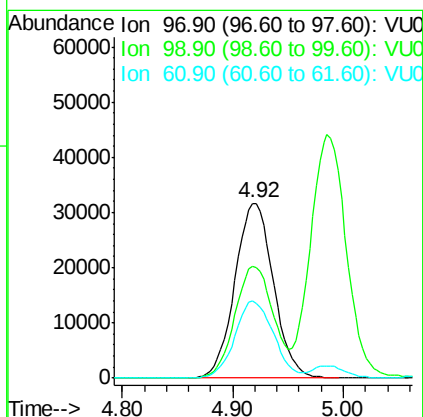
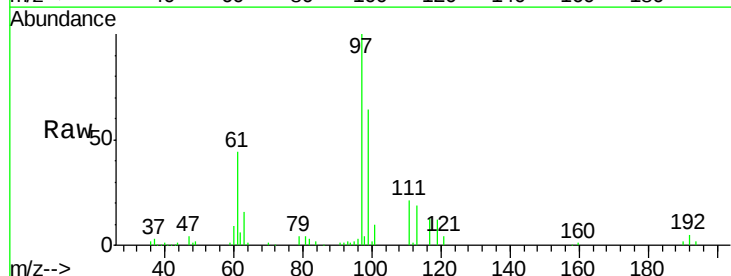
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

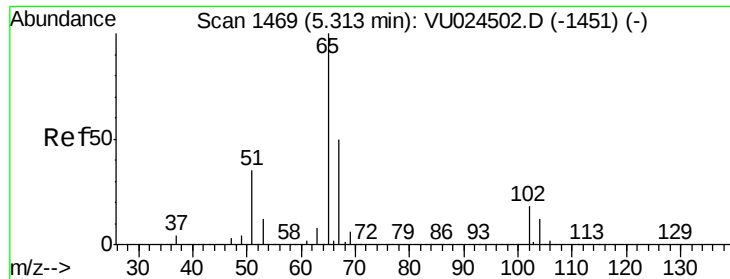
Tot Ion: 56 Resp: 73921
Ion Ratio Lower Upper
56 100
69 36.3 24.8 37.2
84 84.6 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 97 Resp: 76693
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 44.3 39.4 59.0

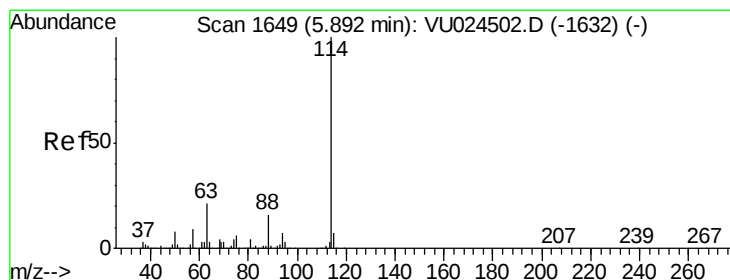
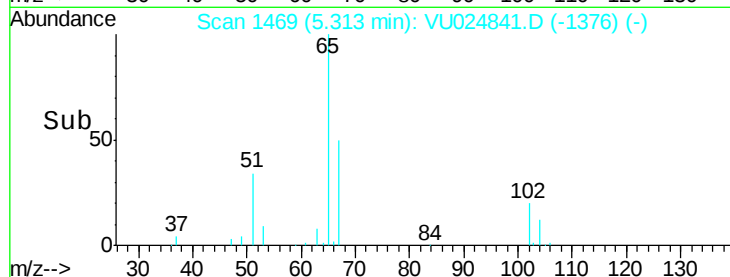
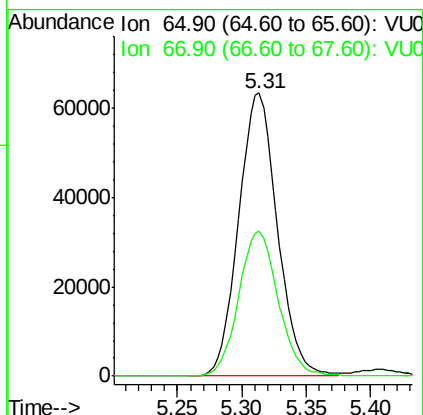
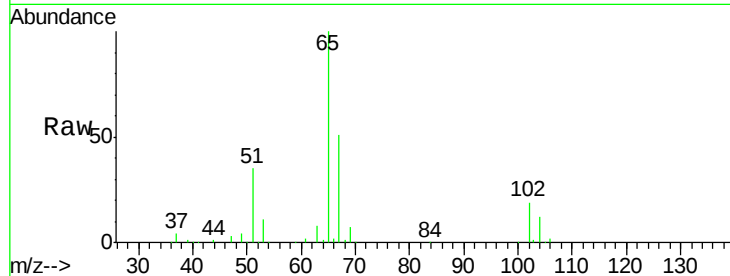




#33
 1,2-Dichloroethane-d4
 Concen: 45.62 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

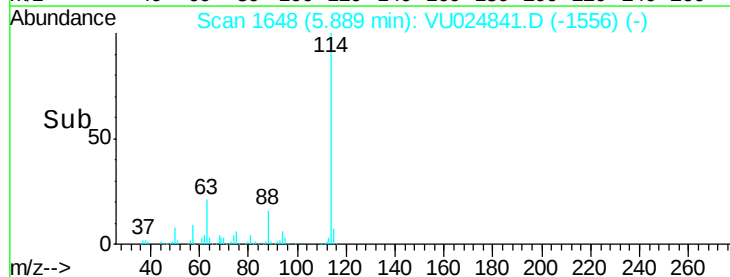
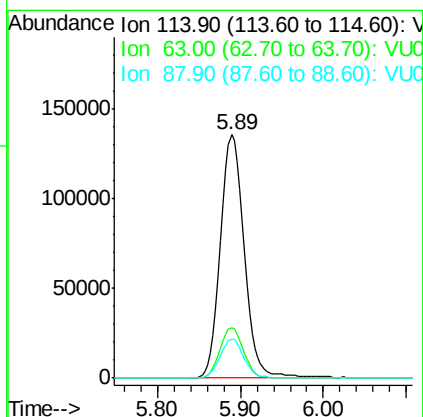
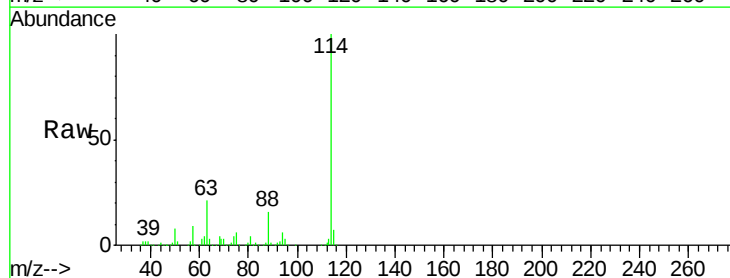
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion: 65 Resp: 132811
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 114 Resp: 271449
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.1 0.0 31.0

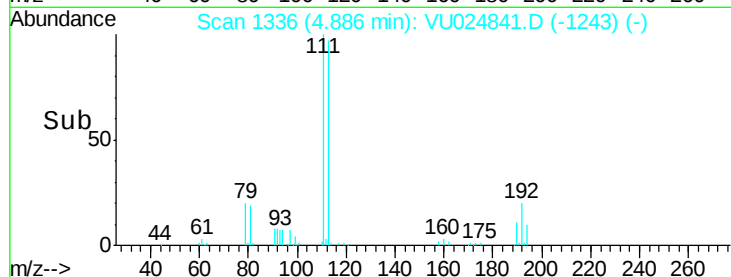
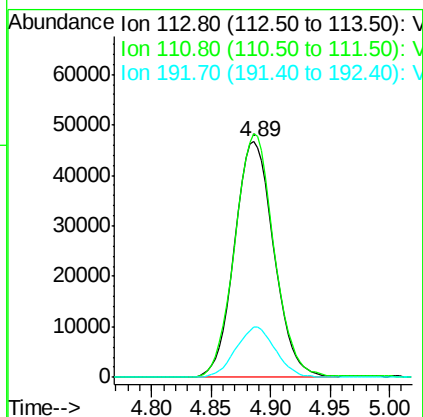
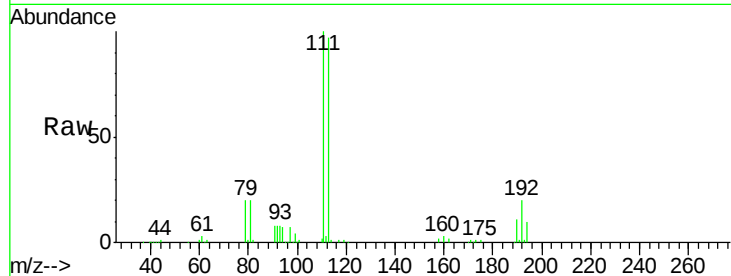




#35
 Dibromofluoromethane
 Concen: 47.67 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

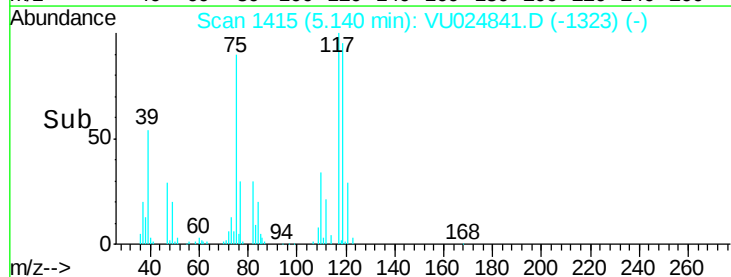
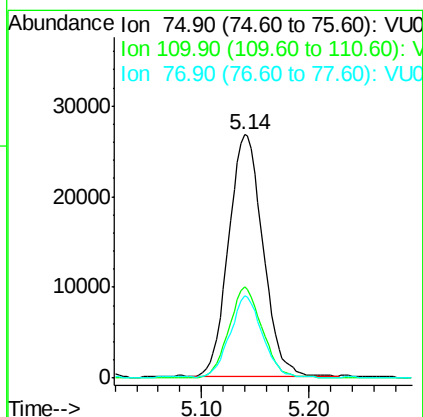
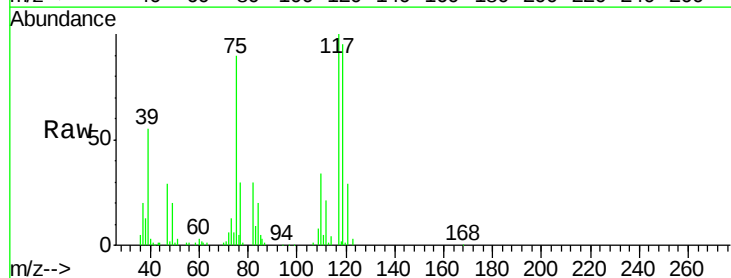
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

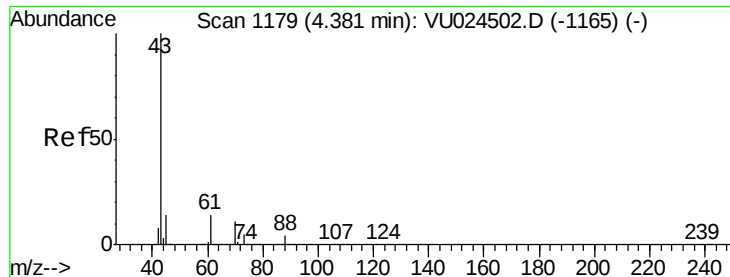
Tot Ion:113 Resp: 107383
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 21.4 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 18.64 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 75 Resp: 59467
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.0 50.9
 77 32.3 24.2 36.4

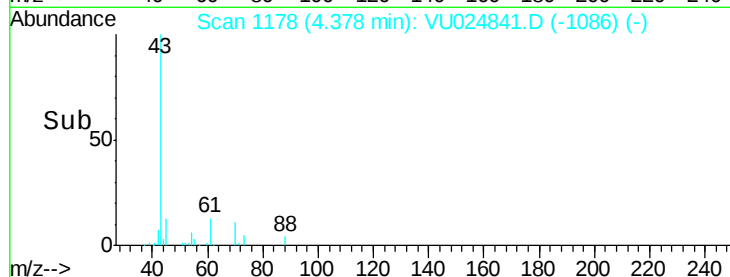
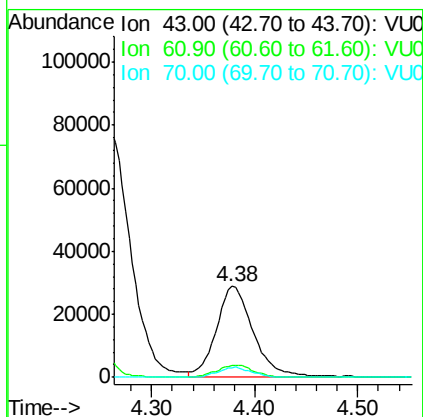
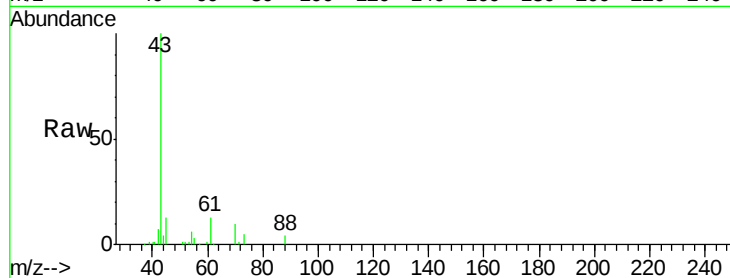




#37
Ethyl Acetate
Concen: 20.24 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

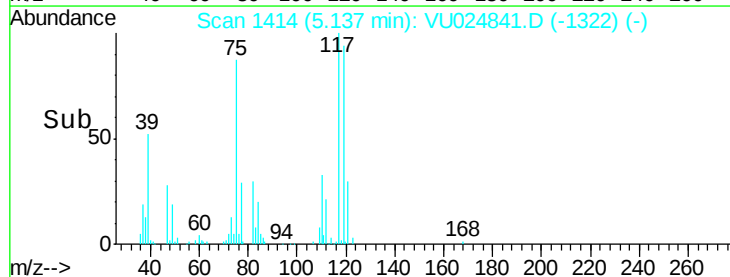
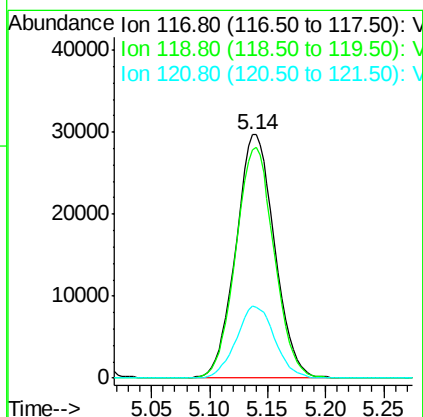
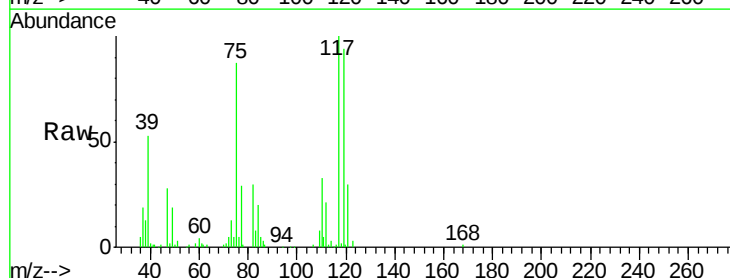
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 43 Resp: 70376
Ion Ratio Lower Upper
43 100
61 14.0 10.5 15.7
70 10.4 7.4 11.2



#38
Carbon Tetrachloride
Concen: 19.63 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 117 Resp: 68856
Ion Ratio Lower Upper
117 100
119 93.8 76.1 114.1
121 29.7 23.7 35.5

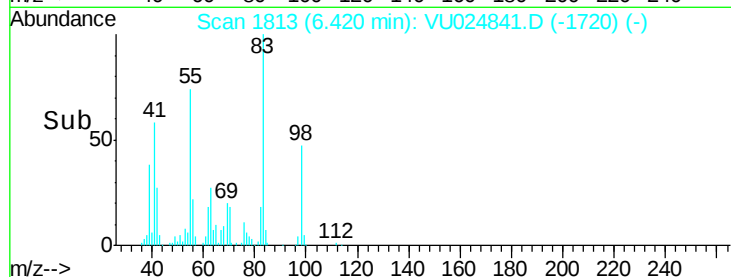
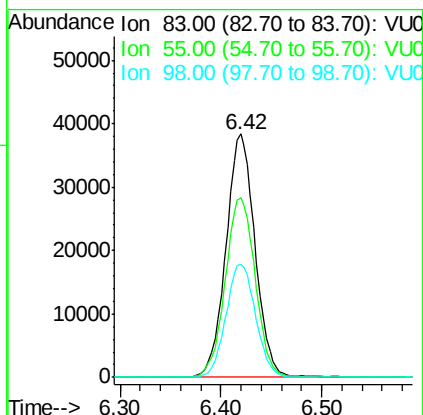
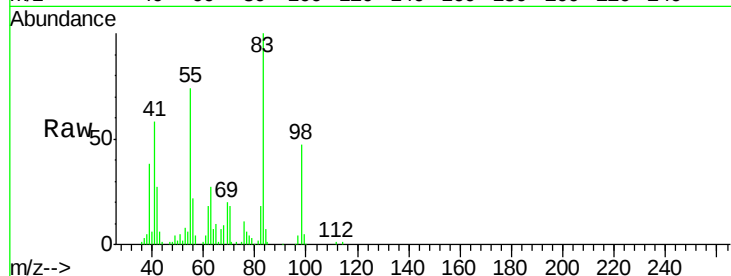




#39
Methvlcvclohexane
Concen: 19.38 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

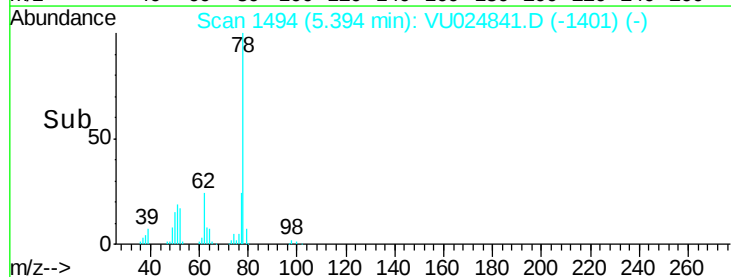
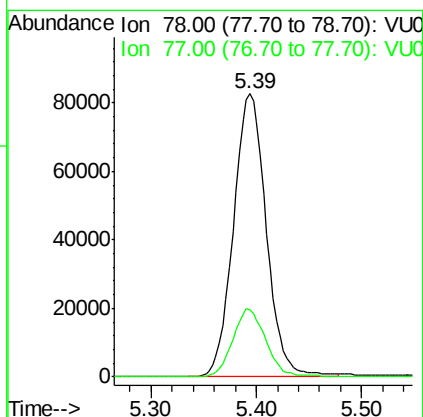
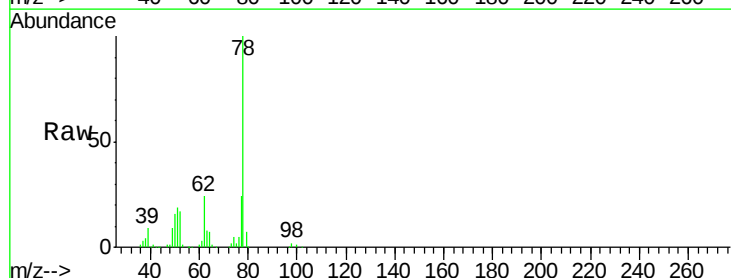
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 83 Resp: 77142
Ion Ratio Lower Upper
83 100
55 73.6 65.8 98.6
98 46.6 36.7 55.1



#40
Benzene
Concen: 19.64 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 78 Resp: 178547
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8

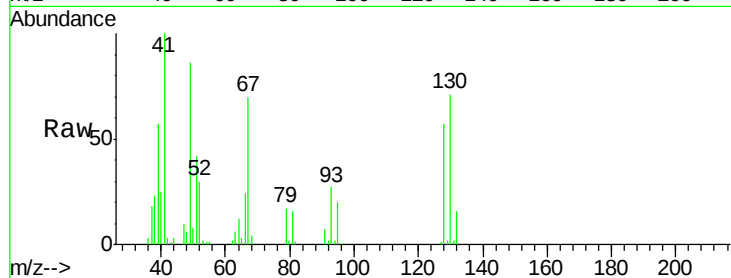




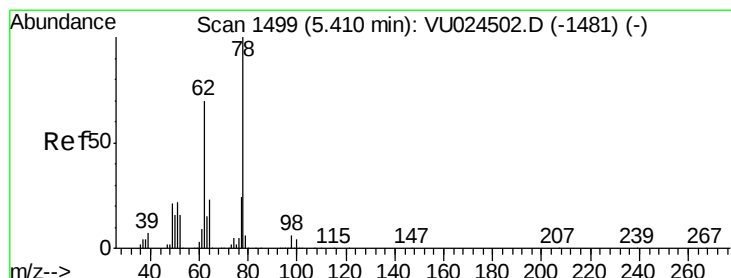
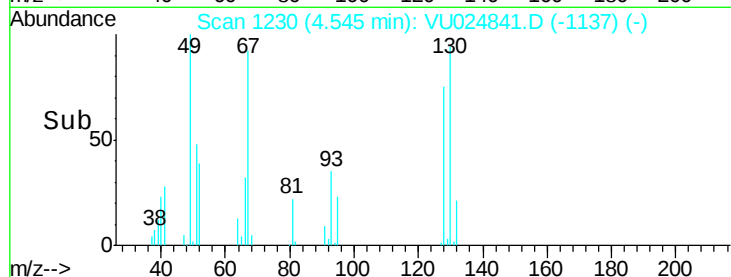
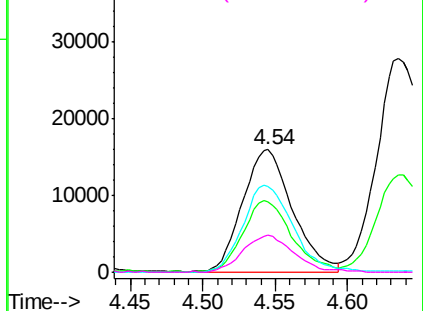
#41
Methacrylonitrile
Concen: 20.49 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 41 Resp: 38401
Ion Ratio Lower Upper
41 100
39 57.3 43.8 65.6
67 71.5 56.3 84.5
52 30.6 23.2 34.8

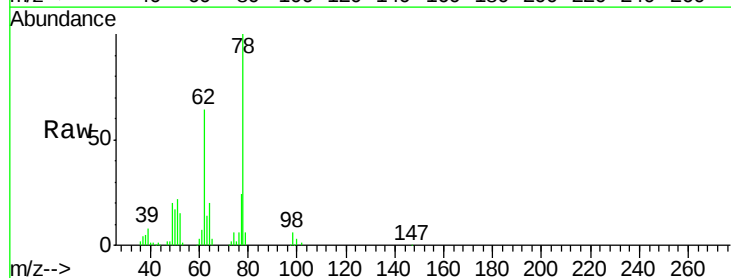


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

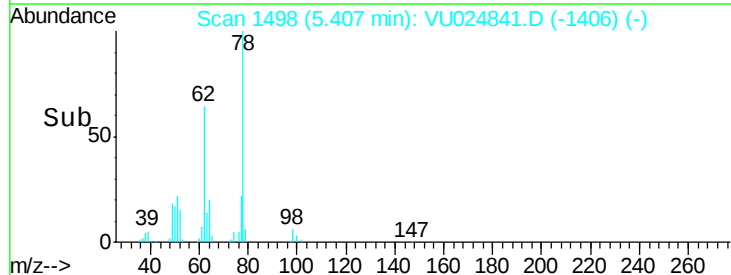
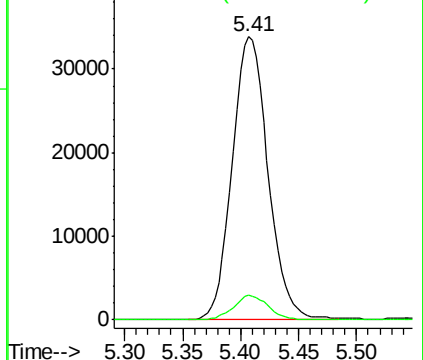


#42
1,2-Dichloroethane
Concen: 20.98 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 62 Resp: 72637
Ion Ratio Lower Upper
62 100
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

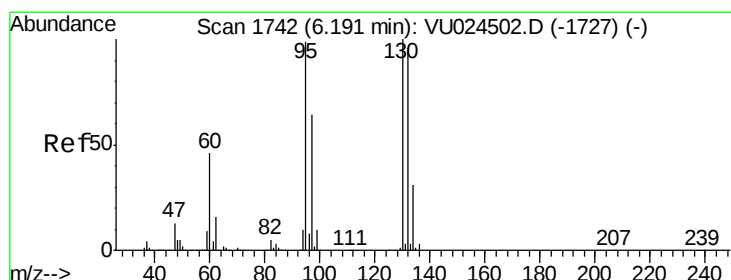
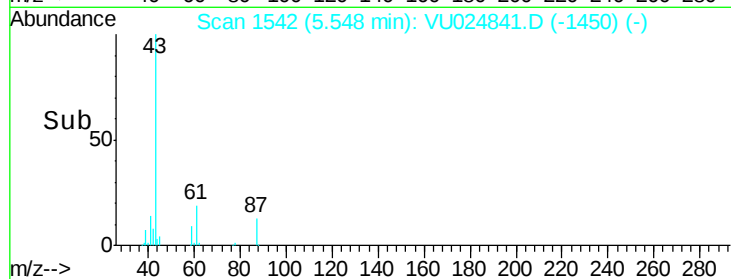
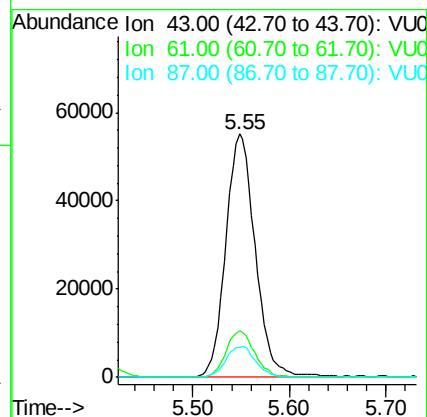
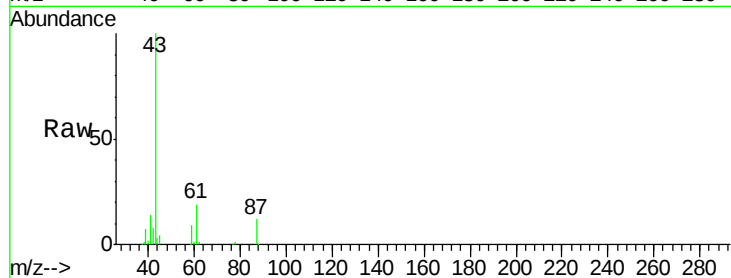




#43
Isopropyl Acetate
Concen: 19.23 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

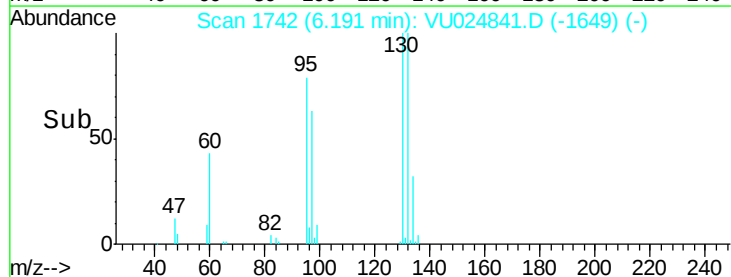
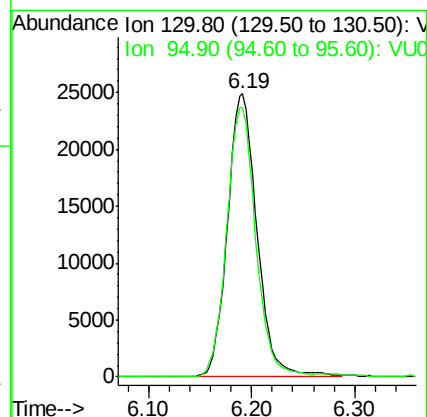
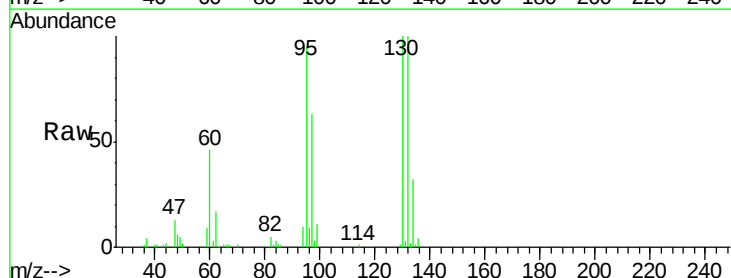
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 43 Resp: 115568
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.0
87 12.9 10.0 15.0



#44
Trichloroethene
Concen: 19.24 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion:130 Resp: 49765
Ion Ratio Lower Upper
130 100
95 95.2 0.0 202.4

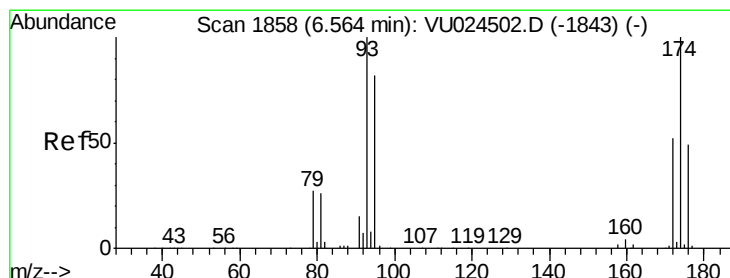
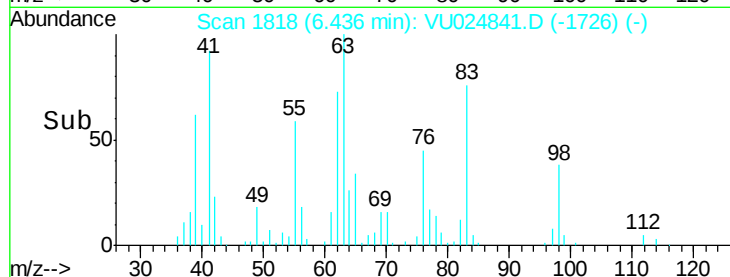
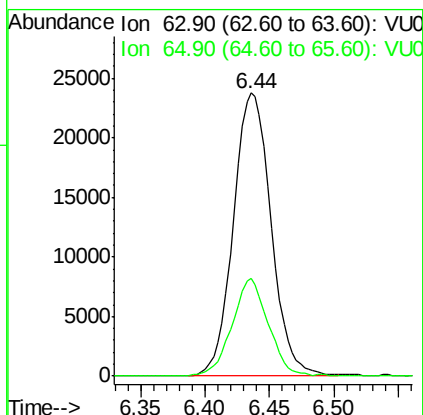
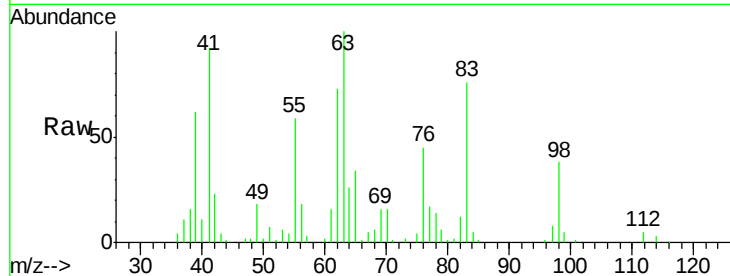




#45
 1,2-Dichloropropane
 Concen: 19.97 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

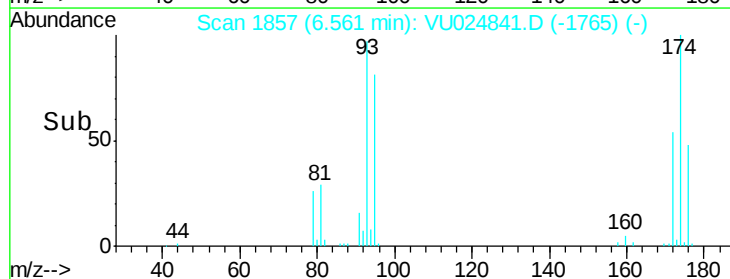
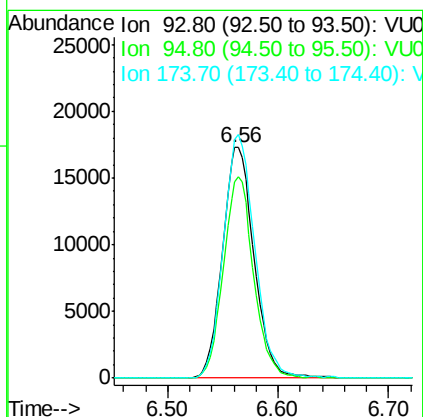
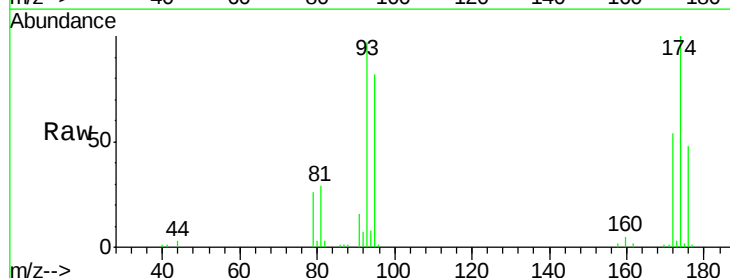
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion: 63 Resp: 48437
 Ion Ratio Lower Upper
 63 100
 65 34.3 24.8 37.2



#46
 Dibromomethane
 Concen: 20.20 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 93 Resp: 34413
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 104.2 78.7 118.1





#47

Bromodichloromethane

Concen: 19.57 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

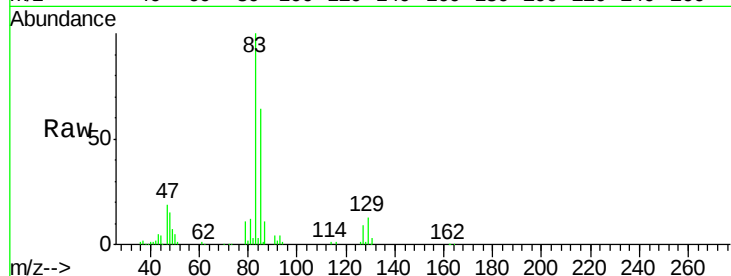
Tot Ion: 83 Resp: 66370

Ion Ratio Lower Upper

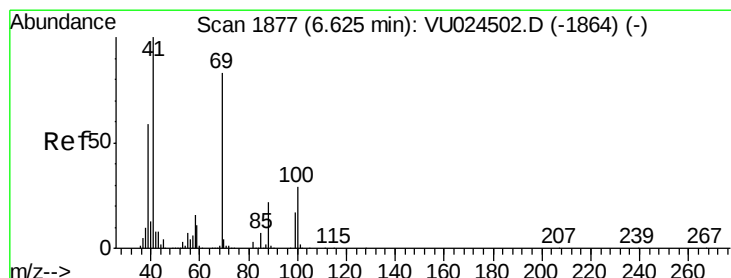
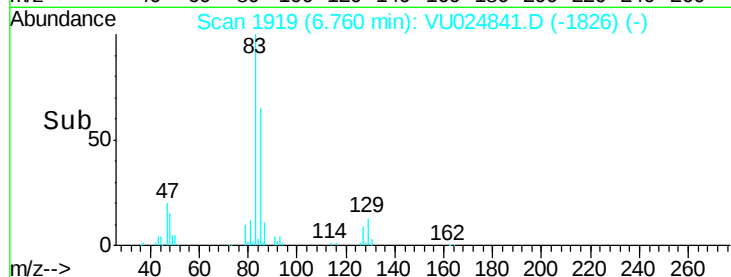
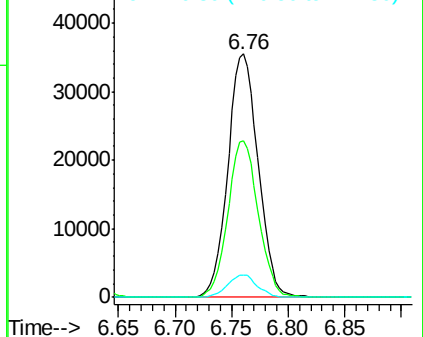
83 100

85 64.2 51.9 77.9

127 9.3 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): VU0



#48

Methyl methacrylate

Concen: 19.63 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

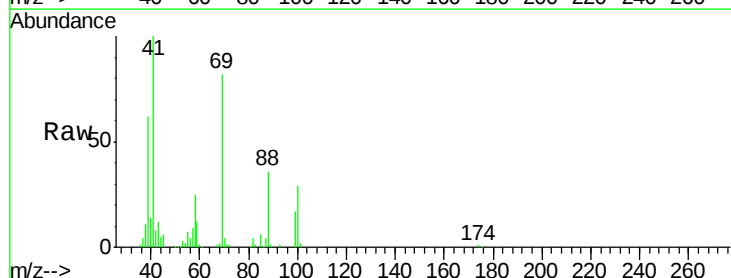
Tgt Ion: 41 Resp: 57445

Ion Ratio Lower Upper

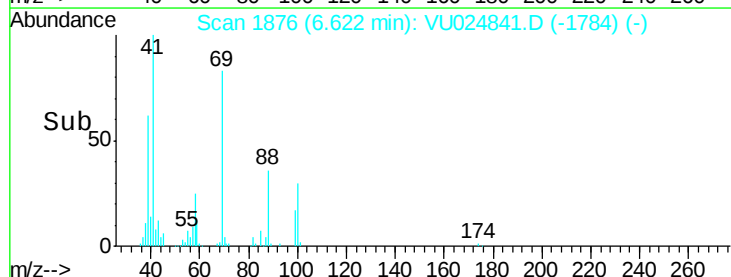
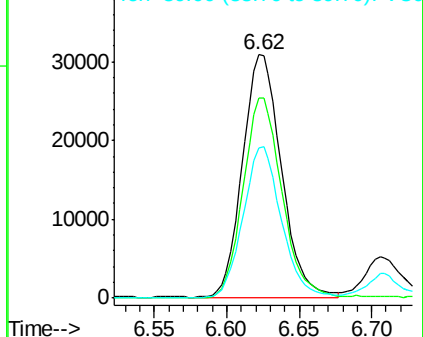
41 100

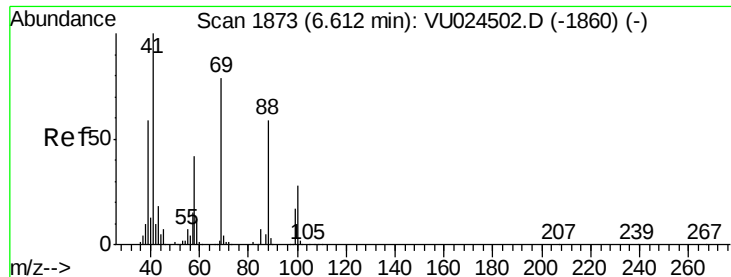
69 82.7 67.3 100.9

39 61.7 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 455.60 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

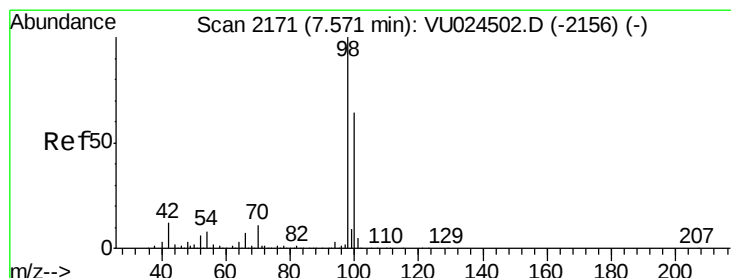
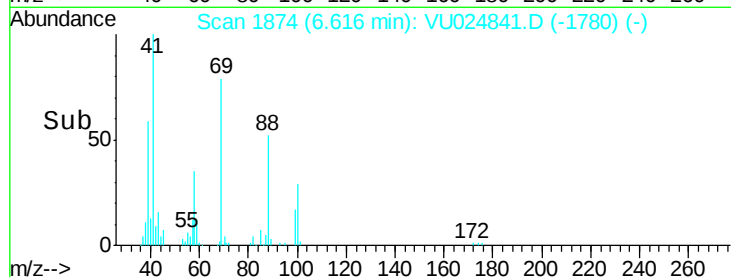
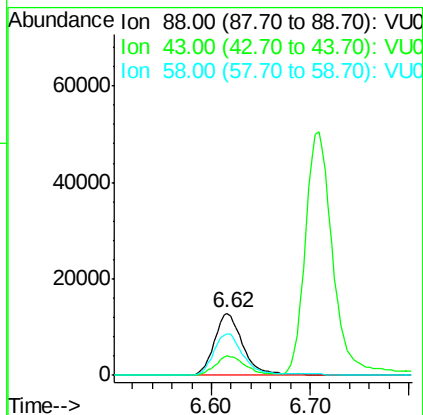
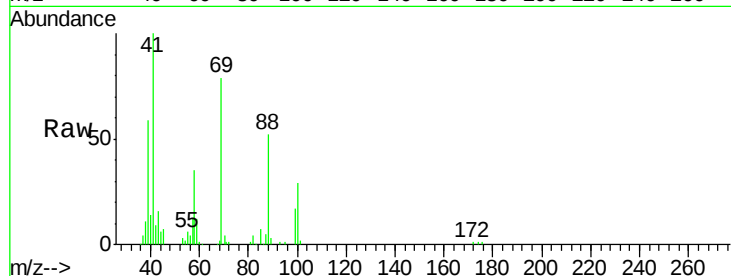
Tot Ion: 88 Resp: 26072

Ion Ratio Lower Upper

88 100

43 32.9 28.6 42.8

58 69.9 58.2 87.4



#50

Toluene-d8

Concen: 45.97 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024841.D

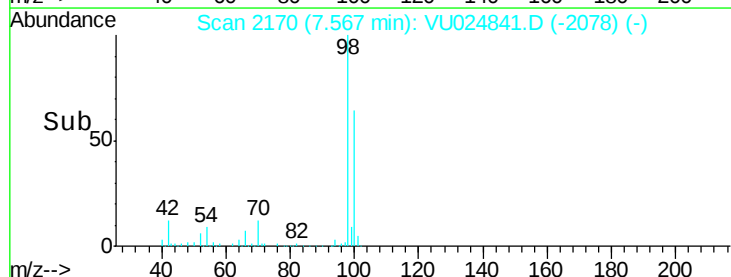
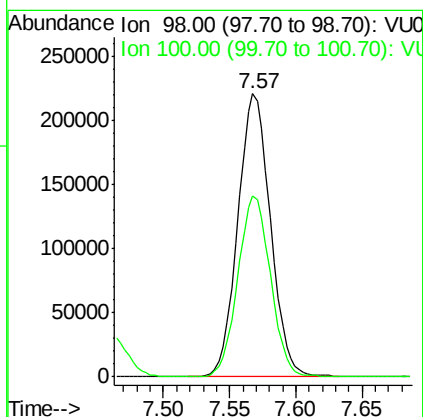
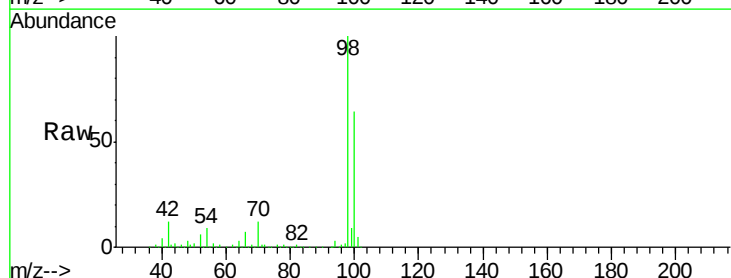
Acq: 22 Jun 2018 19:01

Tgt Ion: 98 Resp: 377748

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7

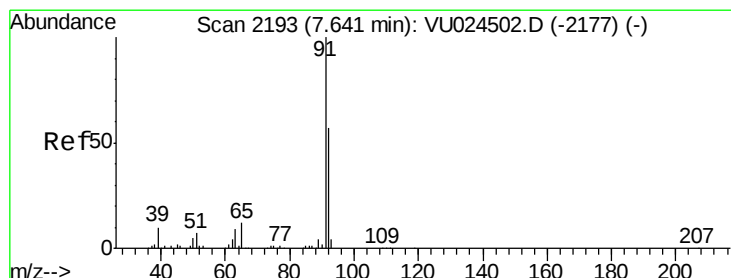
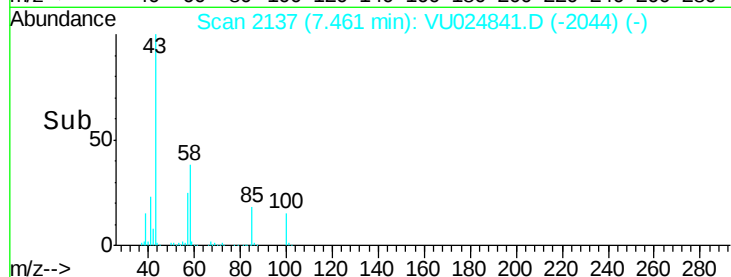
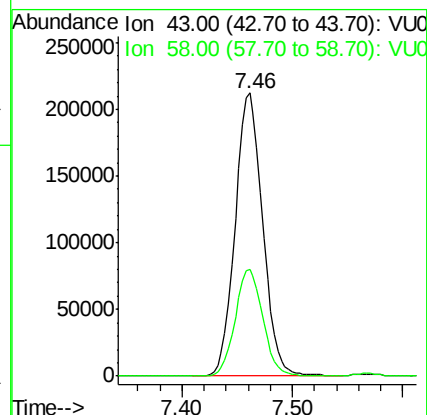
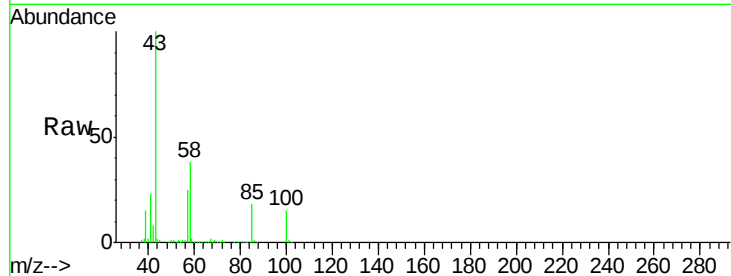




#51
 4-Methyl-2-Pentanone
 Concen: 97.30 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

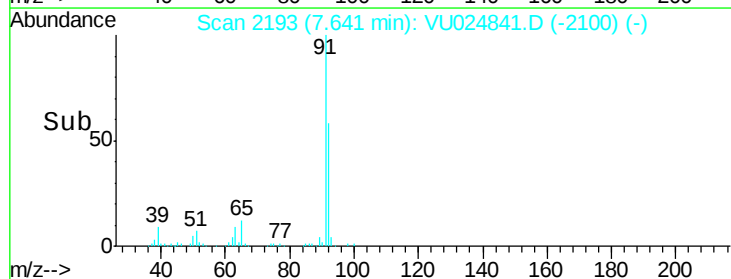
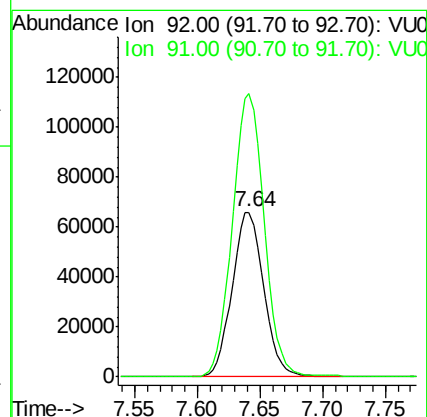
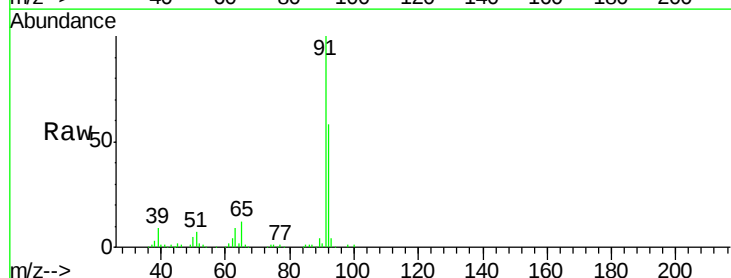
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion: 43 Resp: 367359
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.0 45.0



#52
 Toluene
 Concen: 19.73 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 92 Resp: 115376
 Ion Ratio Lower Upper
 92 100
 91 172.5 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 18.80 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

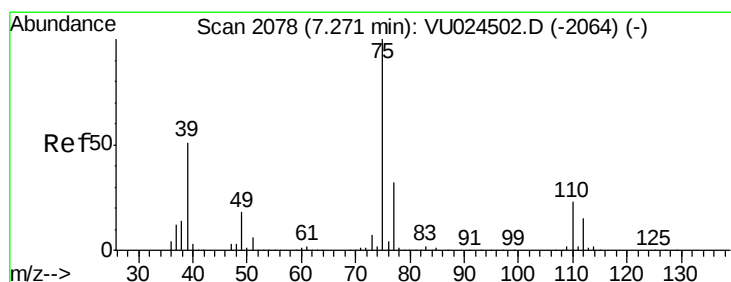
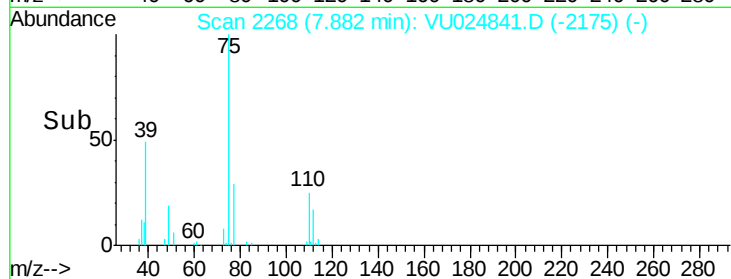
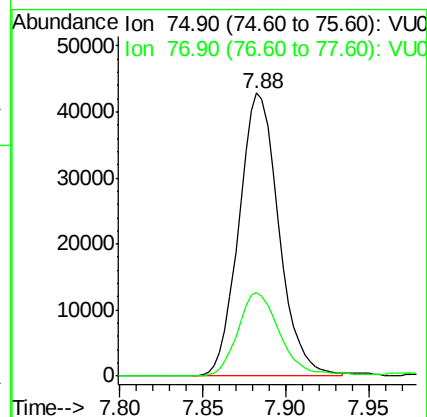
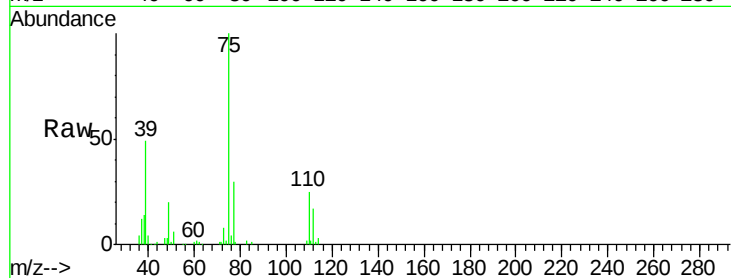
VU0623WBS01

Tot Ion: 75 Resp: 71614

Ion Ratio Lower Upper

75 100

77 29.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

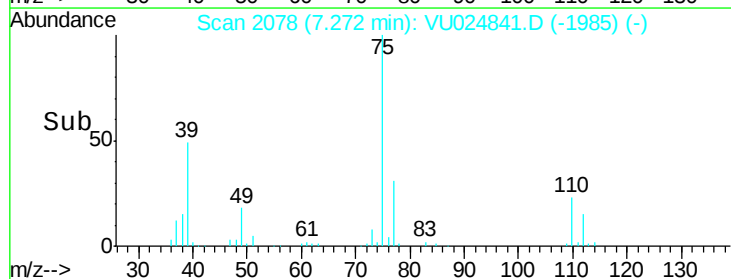
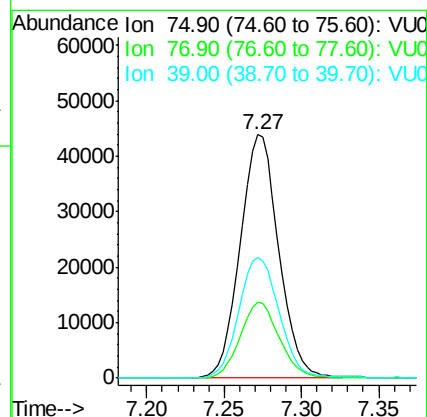
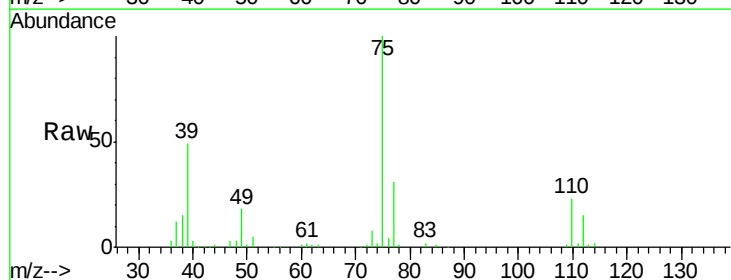
Tgt Ion: 75 Resp: 75855

Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 49.2 39.8 59.6

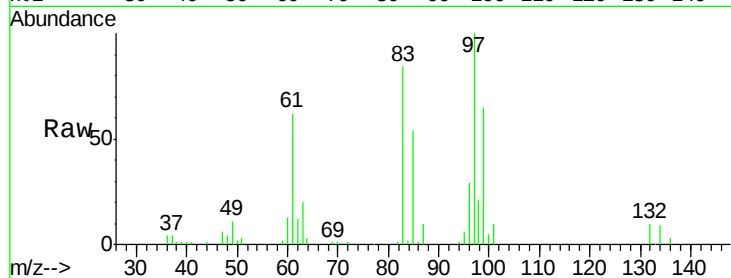




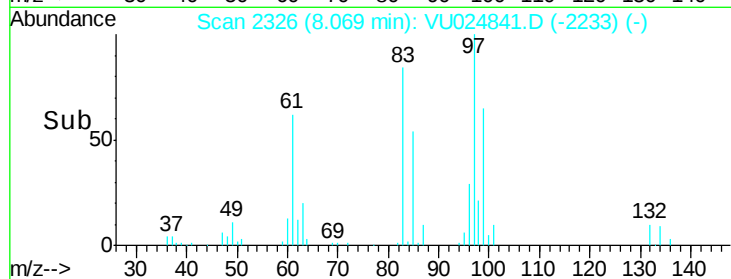
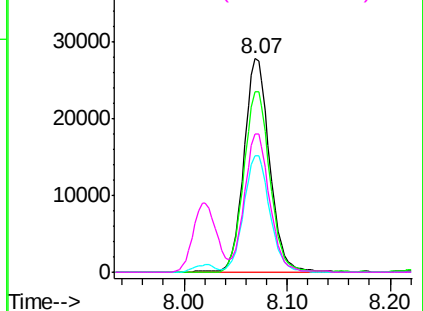
#55
 1,1,2-Trichloroethane
 Concen: 20.28 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion: 97 Resp: 48205
 Ion Ratio Lower Upper
 97 100
 83 84.5 70.5 105.7
 85 54.5 46.4 69.6
 99 64.7 50.2 75.2

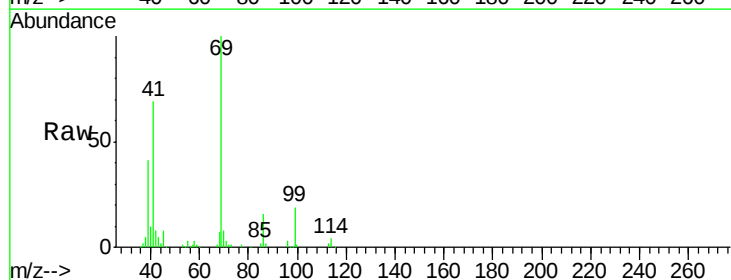


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

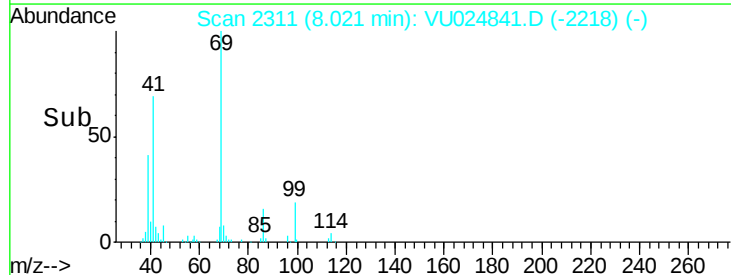
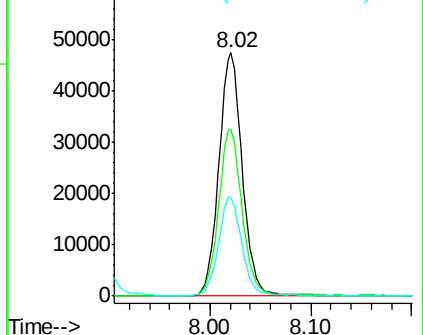


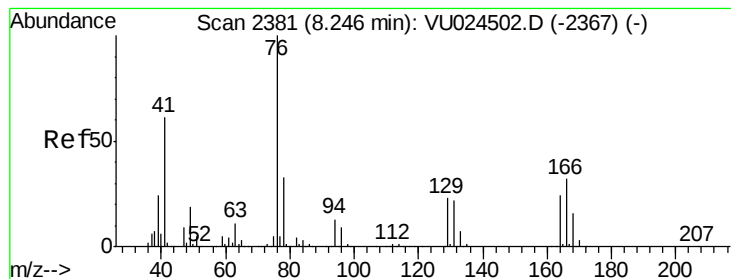
#56
 Ethyl methacrylate
 Concen: 19.37 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion: 69 Resp: 77070
 Ion Ratio Lower Upper
 69 100
 41 68.1 54.1 81.1
 39 39.7 30.3 45.5



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 20.11 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

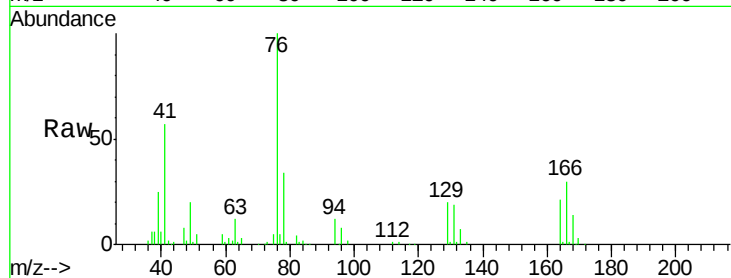
VU0623WBS01

Tot Ion: 76 Resp: 80635

Ion Ratio Lower Upper

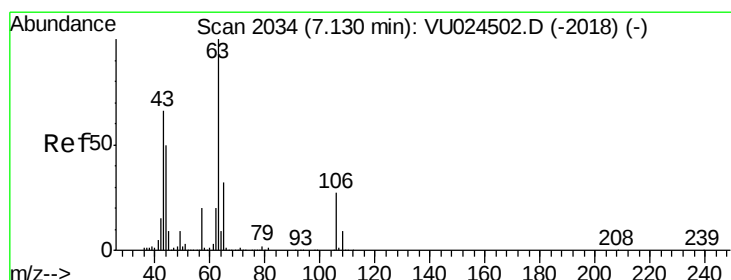
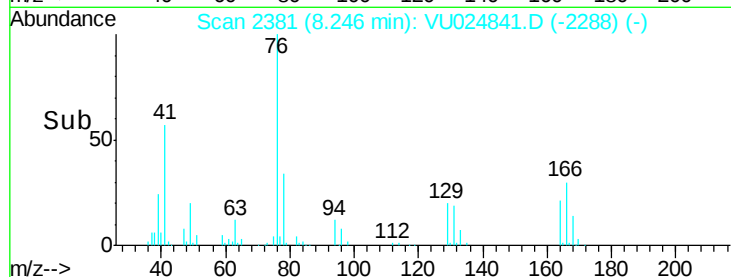
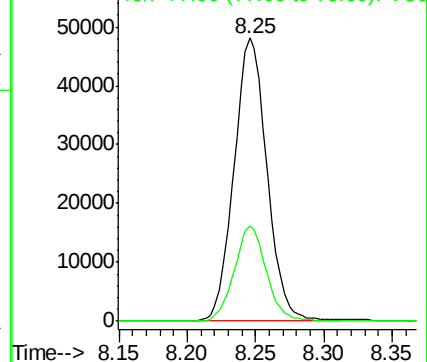
76 100

78 32.6 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 94.02 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024841.D

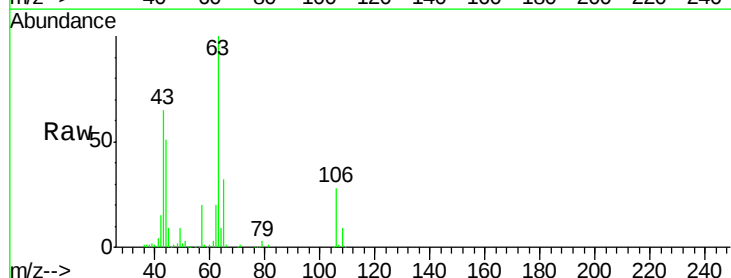
Acq: 22 Jun 2018 19:01

Tgt Ion: 63 Resp: 143303

Ion Ratio Lower Upper

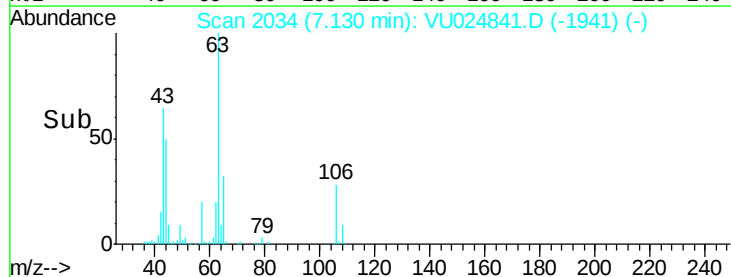
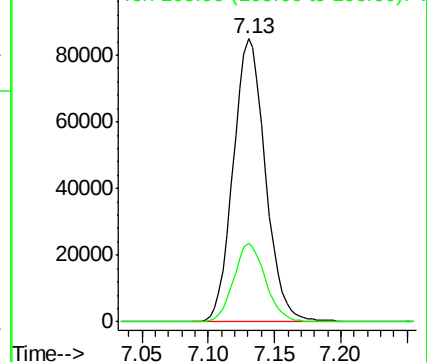
63 100

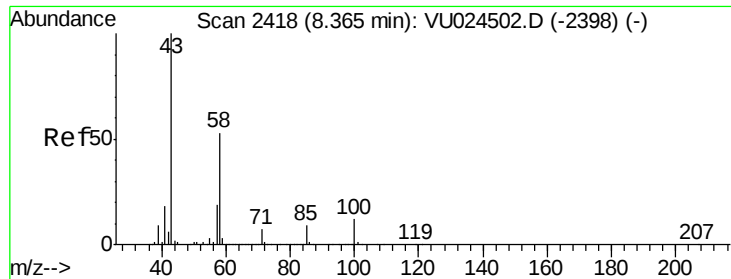
106 27.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

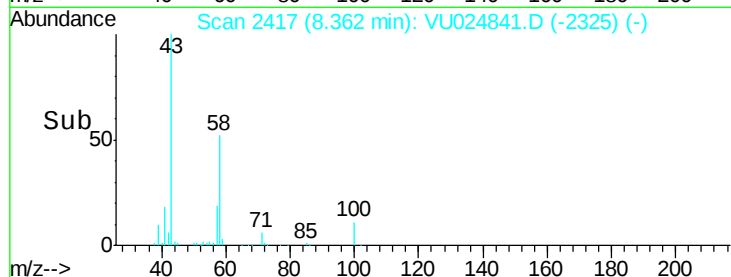
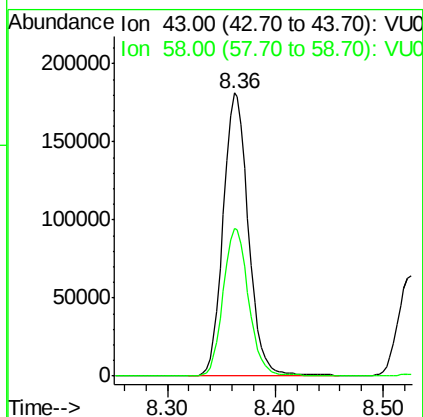
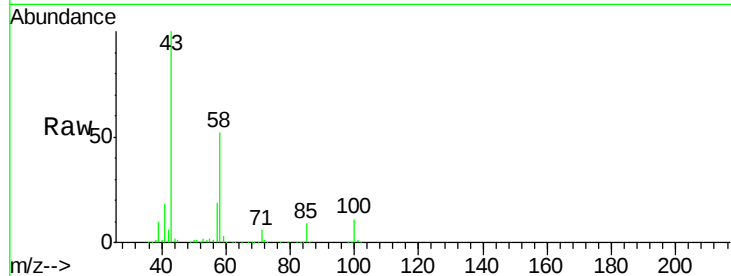




#59
2-Hexanone
Concen: 96.06 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

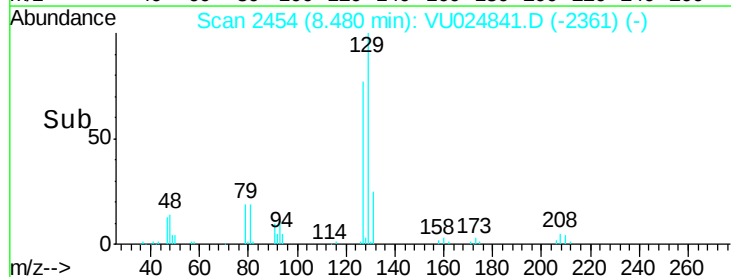
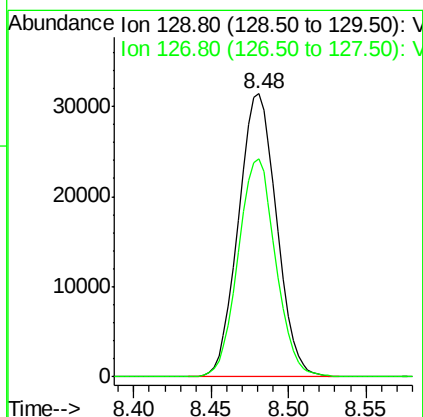
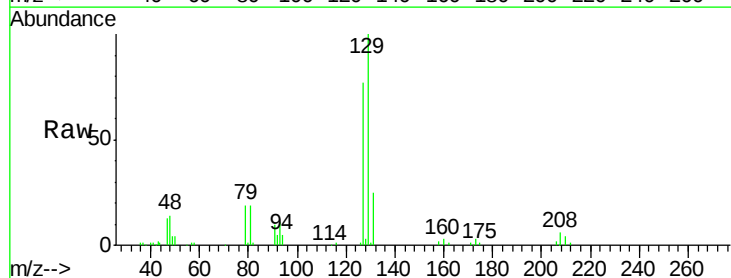
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 43 Resp: 296080
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 18.23 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 129 Resp: 54048
Ion Ratio Lower Upper
129 100
127 75.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.41 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

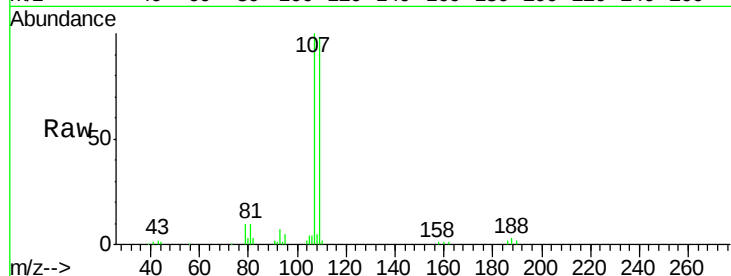
VU0623WBS01

Tot Ion:107 Resp: 51345

Ion Ratio Lower Upper

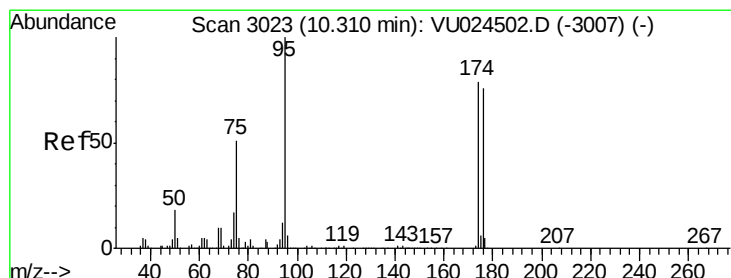
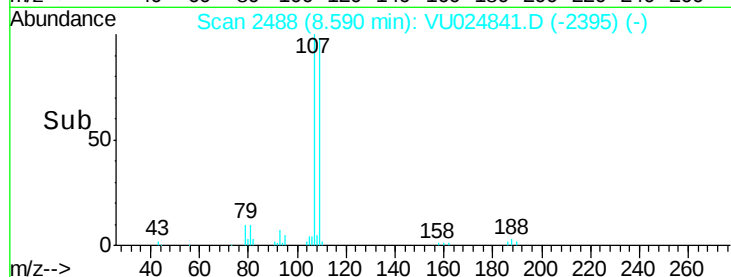
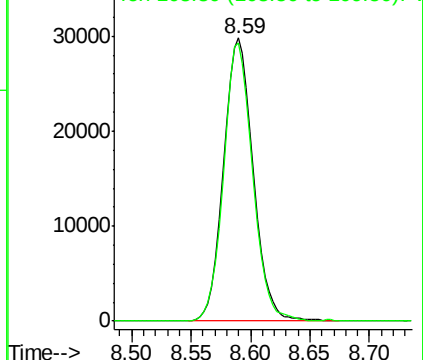
107 100

109 96.2 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.89 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

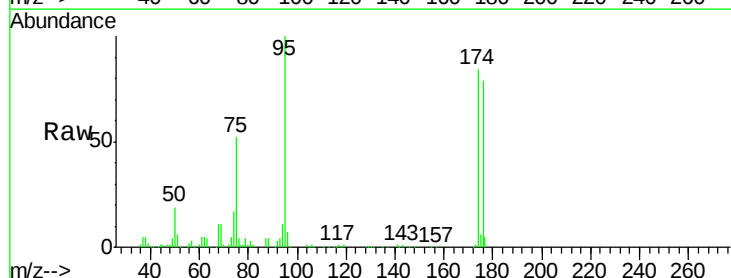
Tgt Ion: 95 Resp: 149730

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

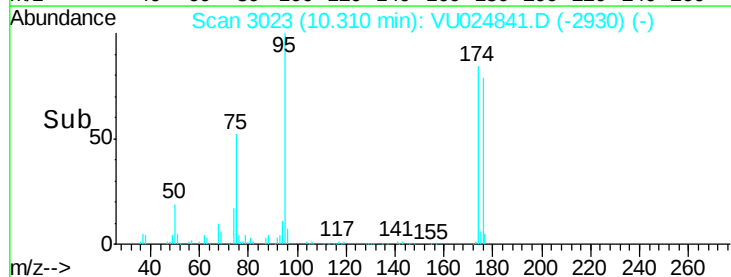
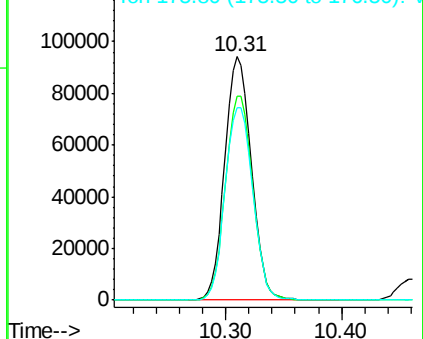
176 82.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

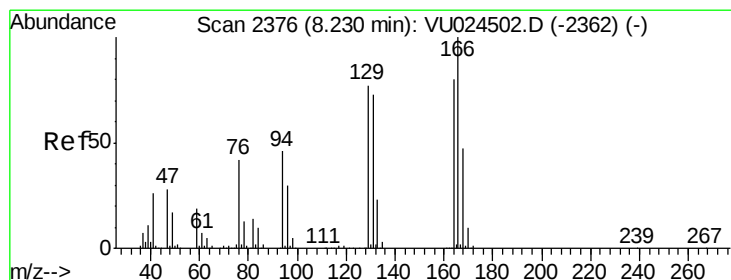
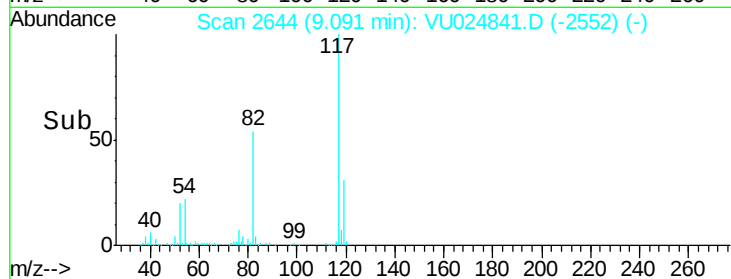
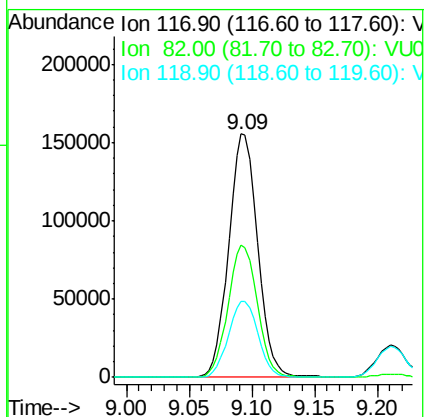
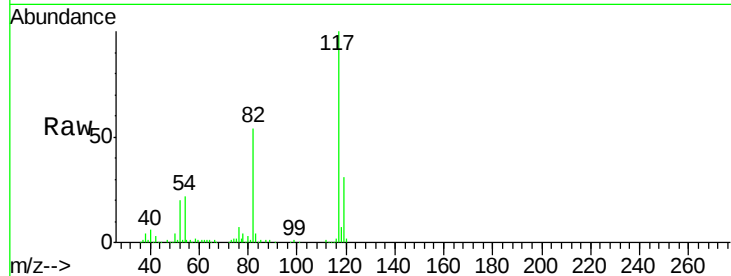




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

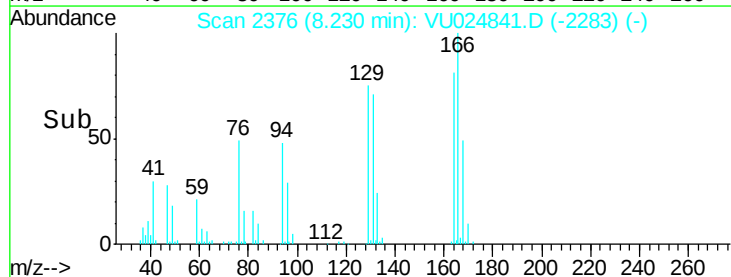
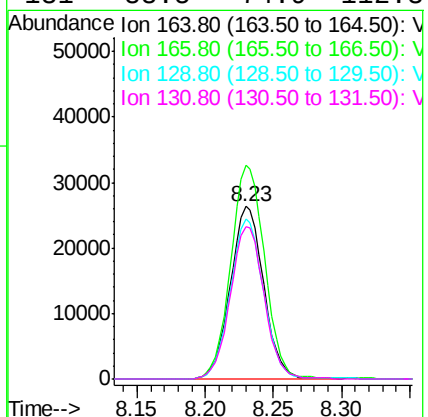
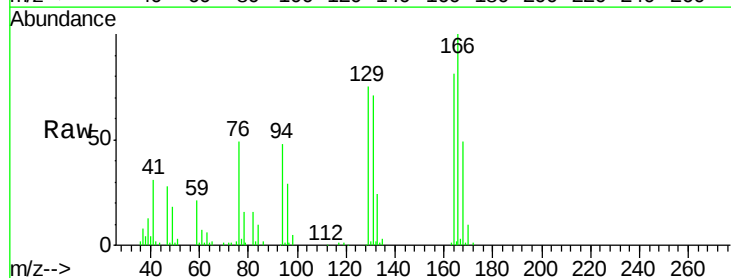
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion:117 Resp: 249699
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 31.1 25.4 38.2



#64
Tetrachloroethene
Concen: 18.79 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion:164 Resp: 44605
Ion Ratio Lower Upper
164 100
166 124.0 101.7 152.5
129 92.7 76.9 115.3
131 88.5 74.9 112.3

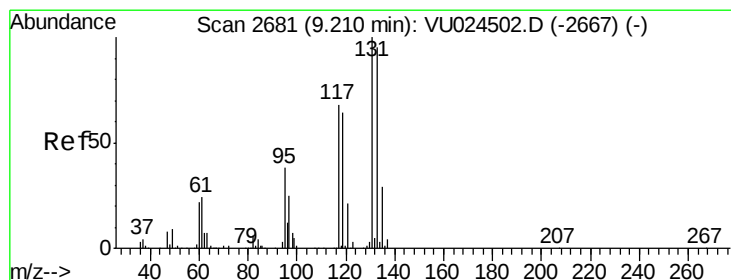
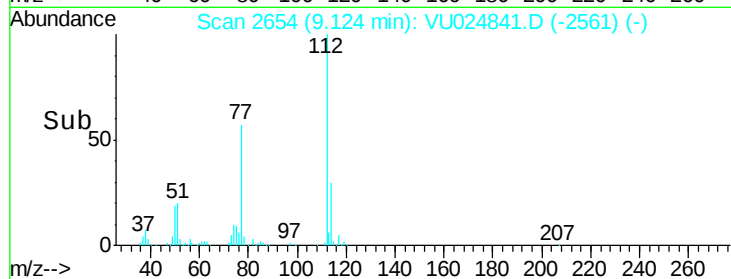
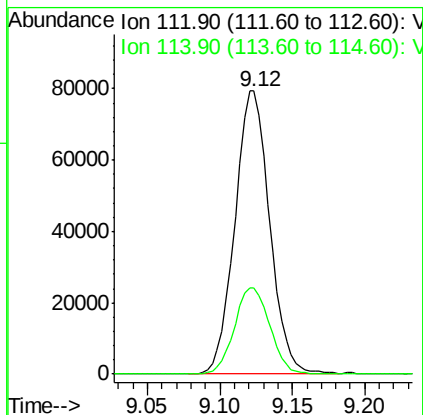
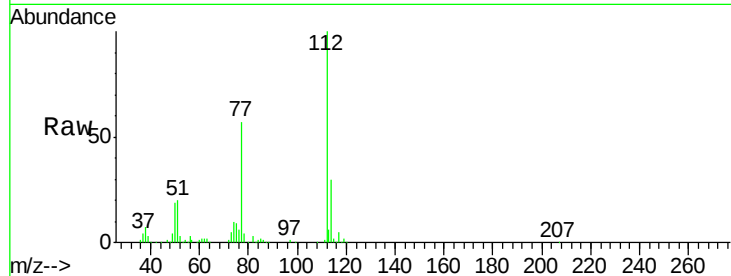




#65
Chlorobenzene
Concen: 20.76 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

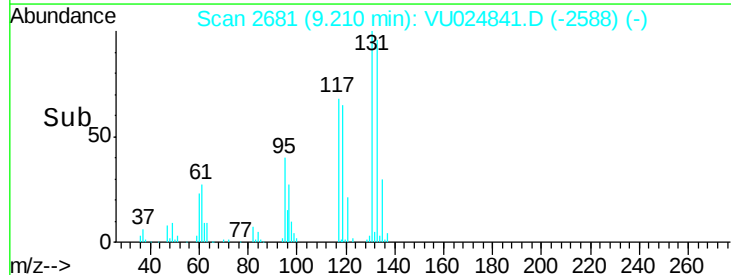
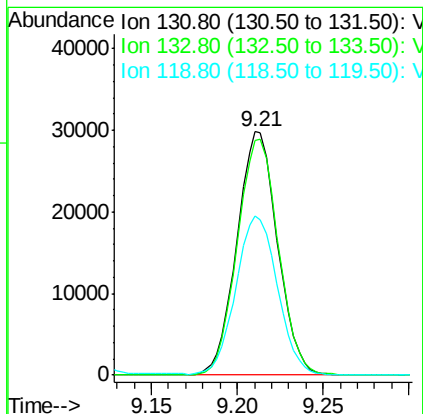
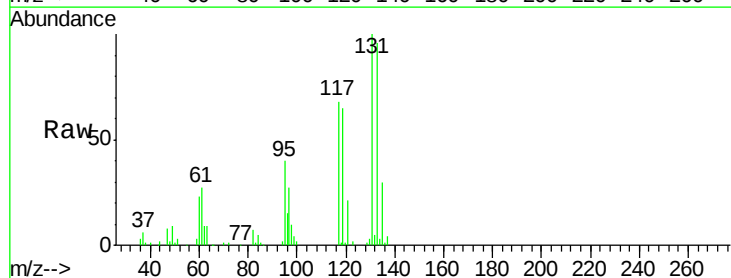
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

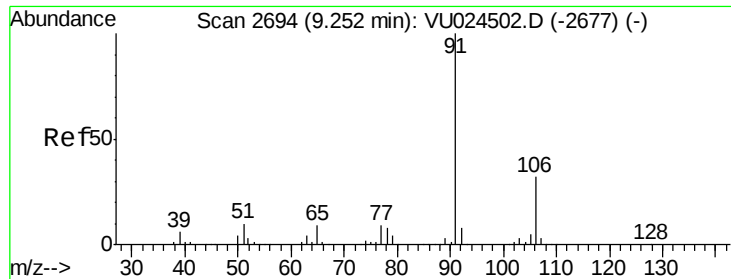
Tot Ion:112 Resp: 132435
Ion Ratio Lower Upper
112 100
114 30.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.18 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion:131 Resp: 48910
Ion Ratio Lower Upper
131 100
133 97.9 46.9 140.8
119 66.9 33.5 100.4

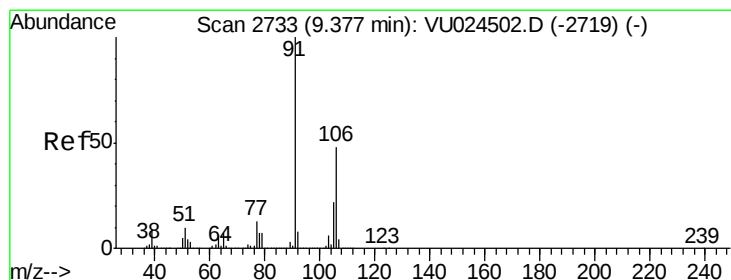
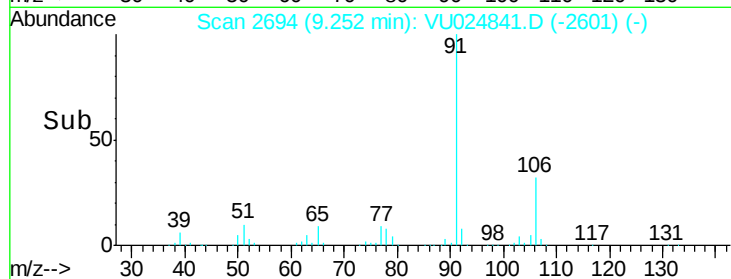
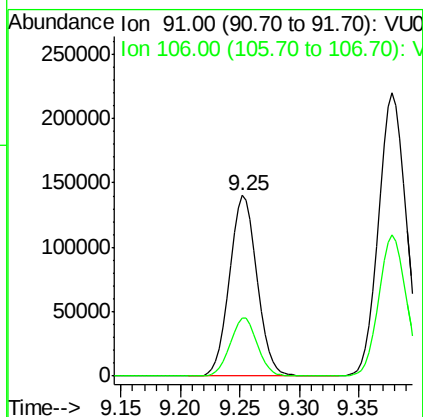
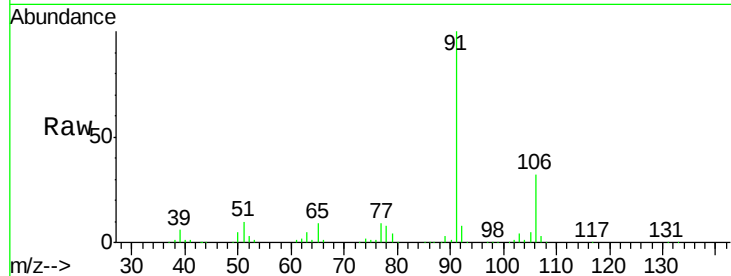




#67
Ethyl Benzene
Concen: 20.16 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

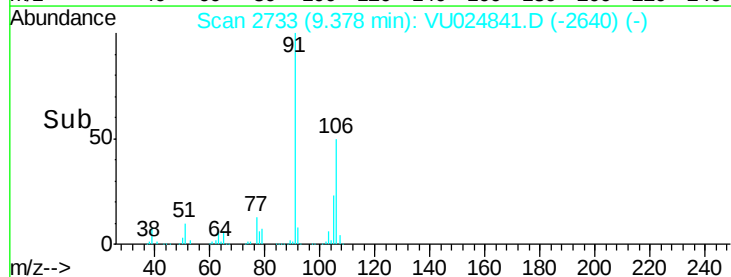
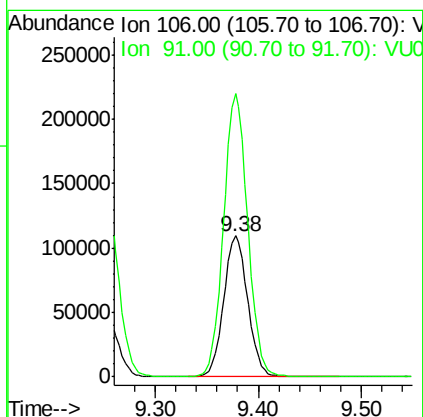
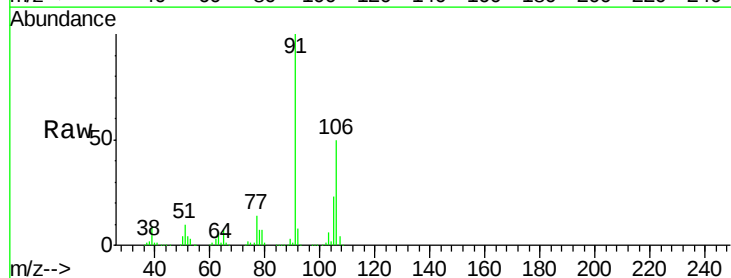
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

Tot Ion: 91 Resp: 225402
Ion Ratio Lower Upper
91 100
106 32.4 24.2 36.4



#68
m/p-Xylenes
Concen: 41.43 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 106 Resp: 177912
Ion Ratio Lower Upper
106 100
91 200.3 166.5 249.7

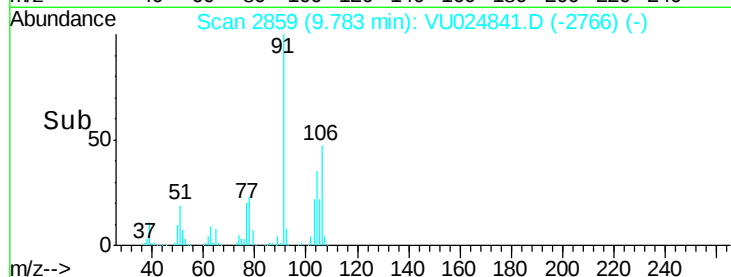
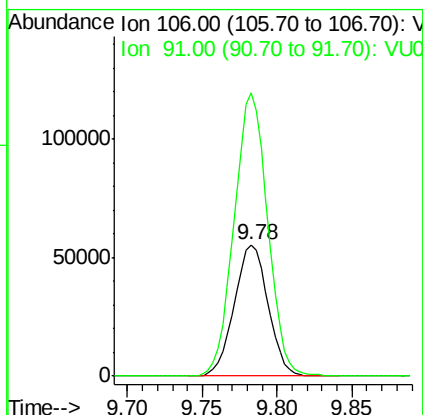
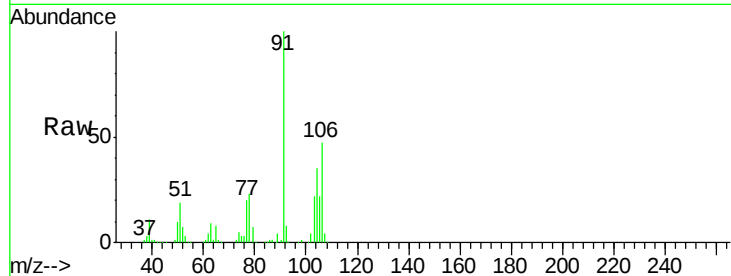




#69
o-Xylene
Concen: 20.60 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

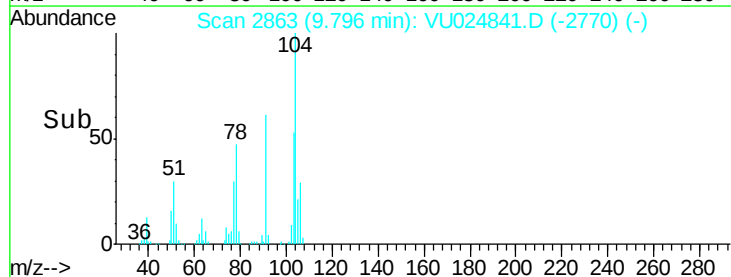
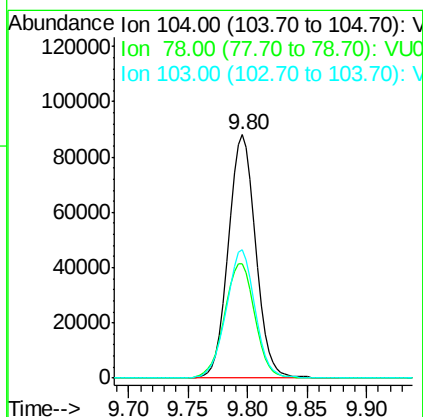
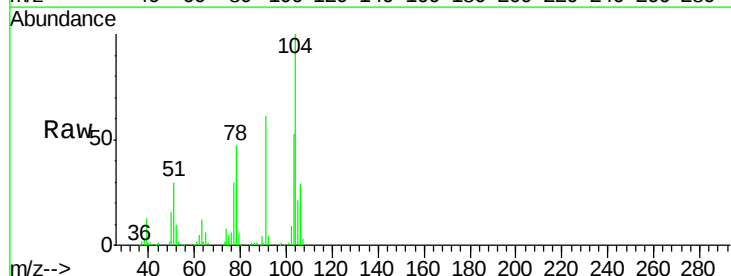
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

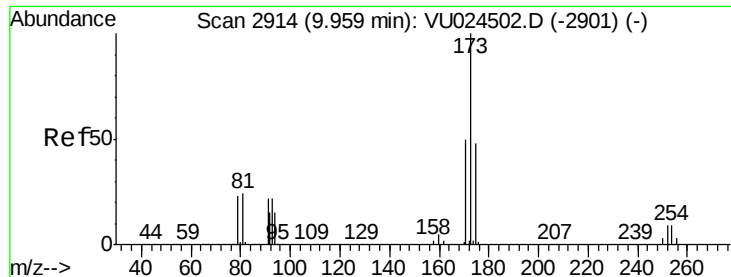
Tot Ion:106 Resp: 87554
Ion Ratio Lower Upper
106 100
91 213.4 110.7 331.9



#70
Styrene
Concen: 20.11 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion:104 Resp: 140425
Ion Ratio Lower Upper
104 100
78 52.3 40.6 60.8
103 55.8 44.7 67.1





#71

Bromoform

Concen: 17.59 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

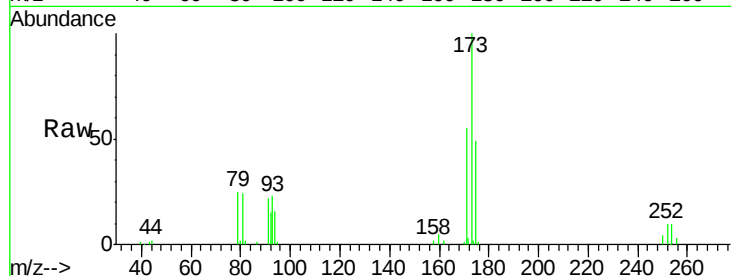
Tot Ion:173 Resp: 40510

Ion Ratio Lower Upper

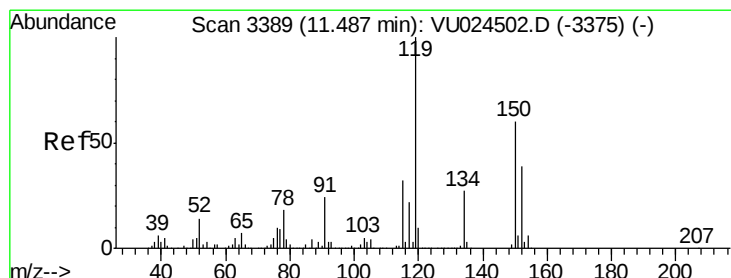
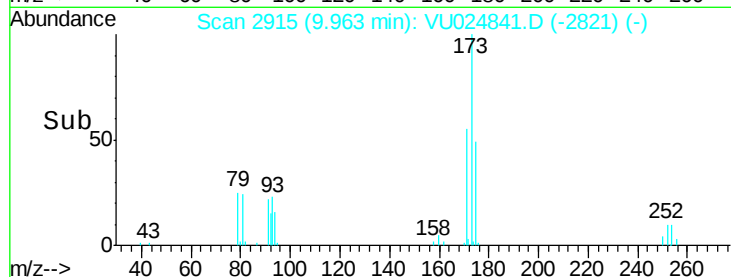
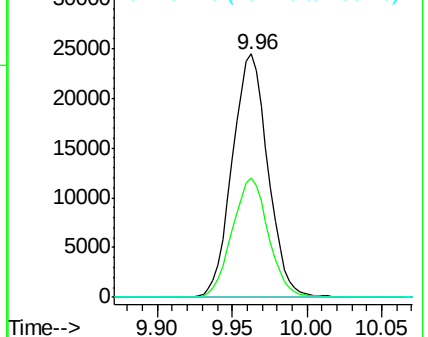
173 100

175 49.8 24.6 74.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

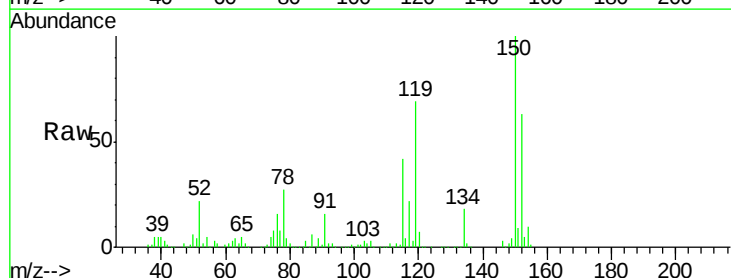
Tgt Ion:152 Resp: 147956

Ion Ratio Lower Upper

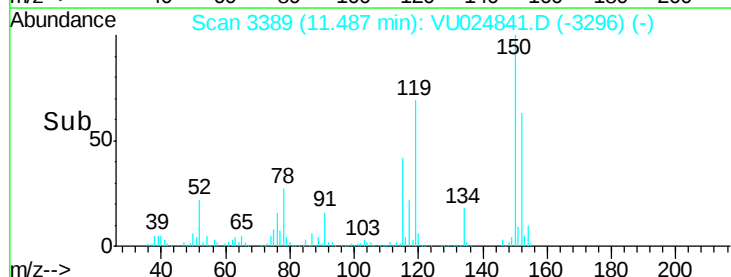
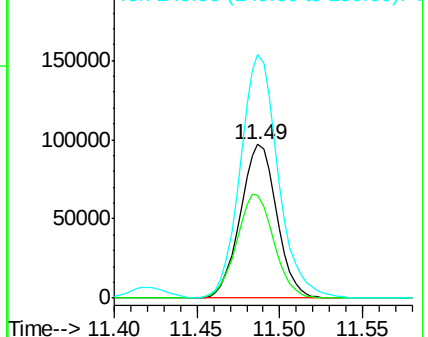
152 100

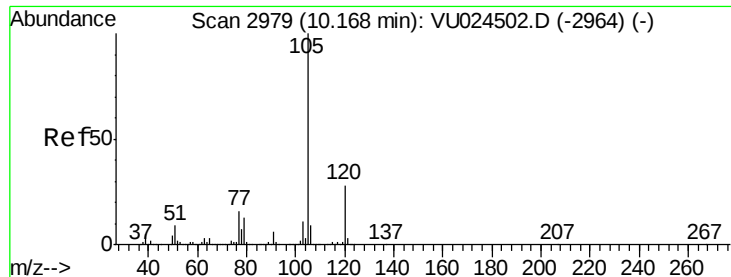
115 69.3 43.0 129.0

150 164.8 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.68 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

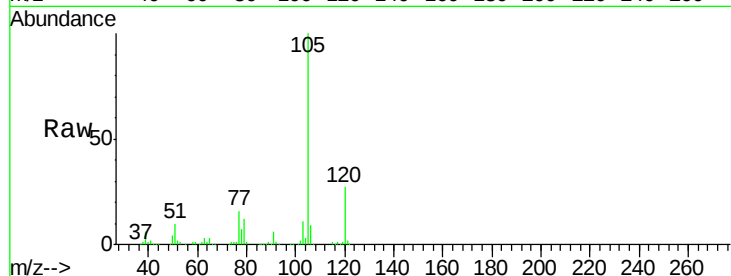
VU0623WBS01

Tot Ion:105 Resp: 234870

Ion Ratio Lower Upper

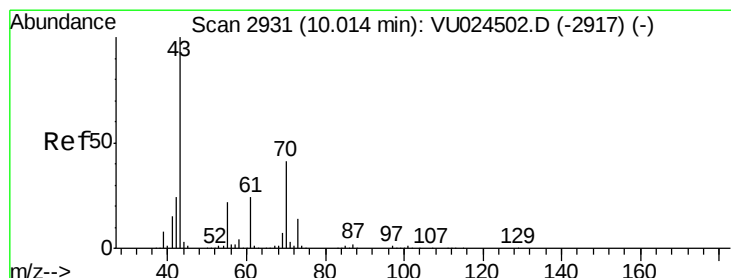
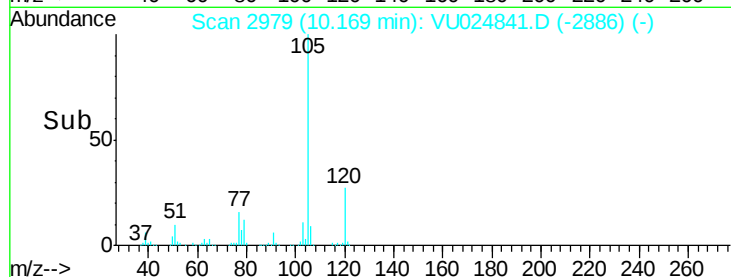
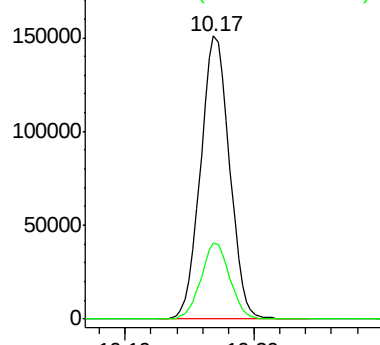
105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.07 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Tgt Ion: 43 Resp: 103017

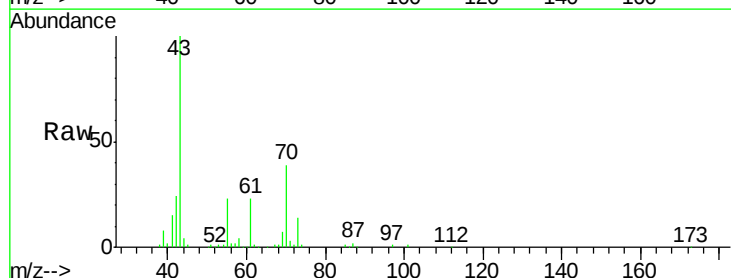
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.4

55 22.9 20.5 30.7

61 23.2 18.7 28.1

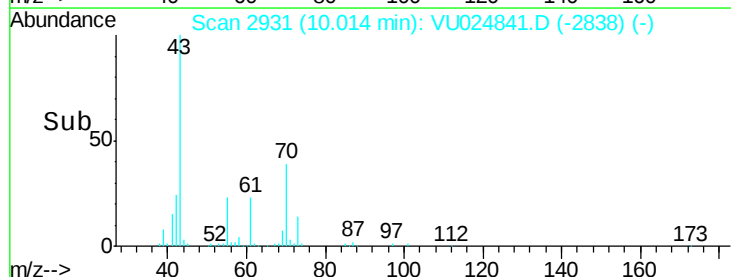
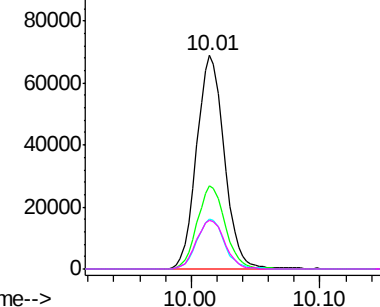


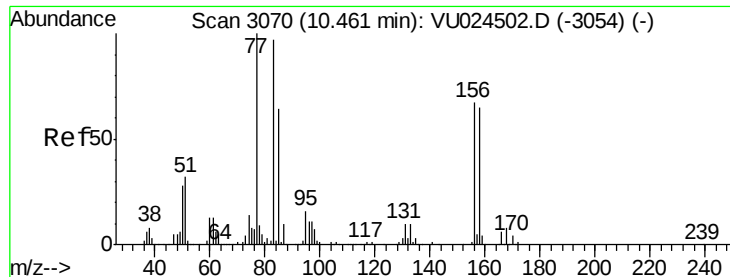
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.69 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

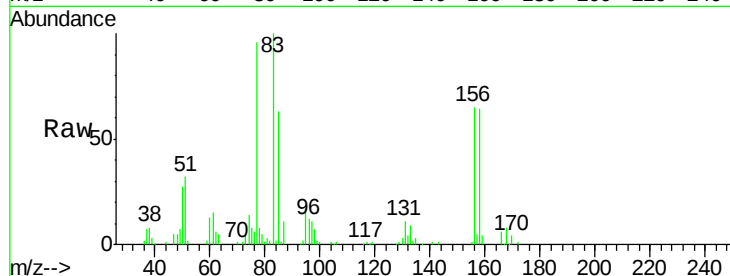
Tot Ion: 83 Resp: 78745

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

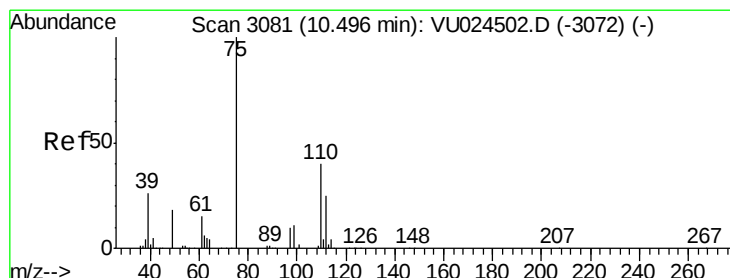
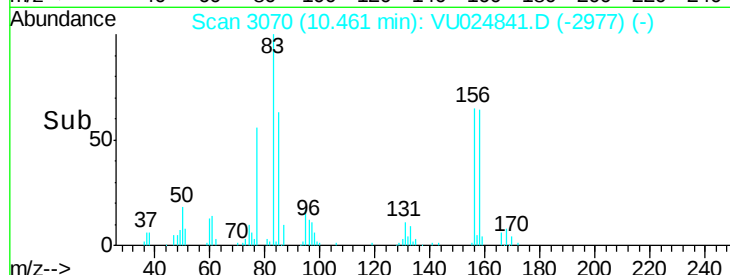
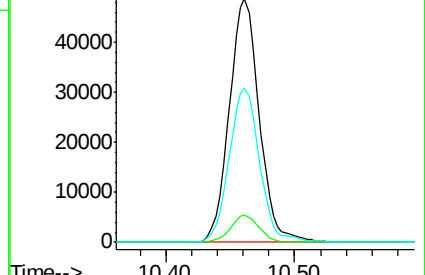
85 64.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 28.14 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024841.D

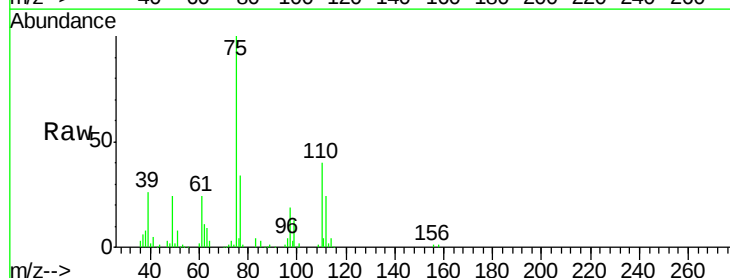
Acq: 22 Jun 2018 19:01

Tgt Ion: 75 Resp: 91651

Ion Ratio Lower Upper

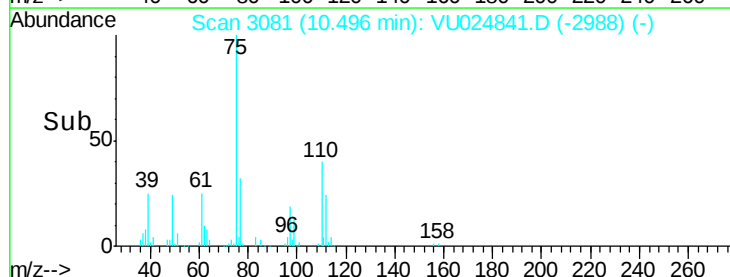
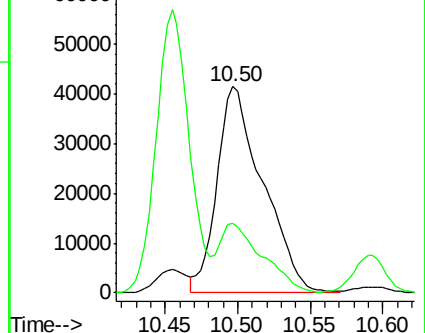
75 100

77 30.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

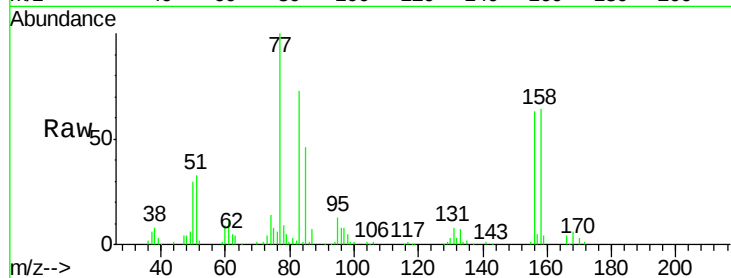
Tot Ion:156 Resp: 57992

Ion Ratio Lower Upper

156 100

77 155.3 80.5 241.3

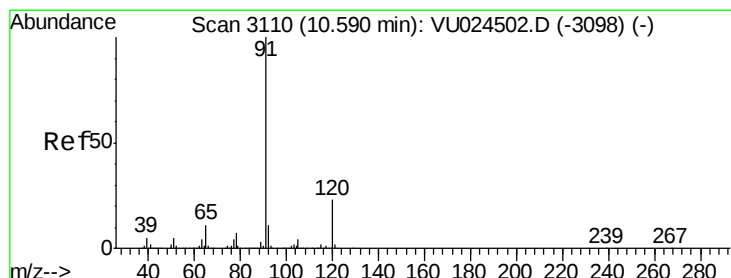
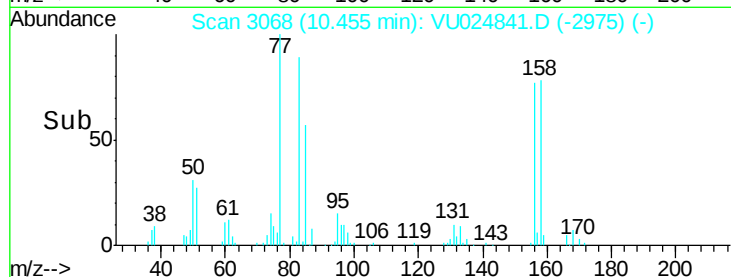
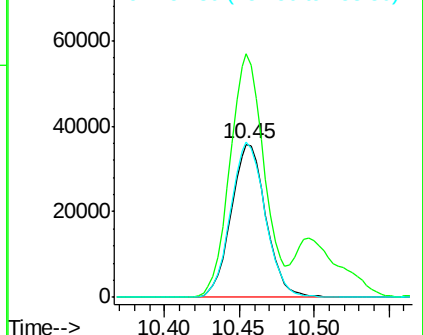
158 100.8 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.02 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024841.D

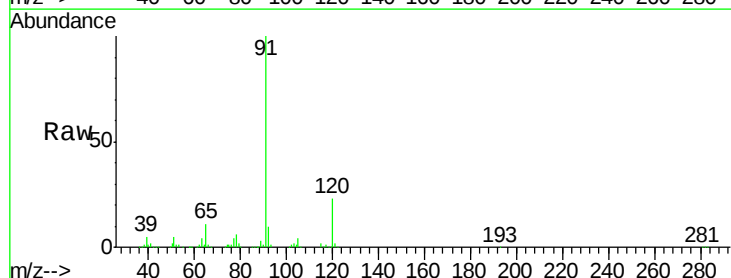
Acq: 22 Jun 2018 19:01

Tgt Ion: 91 Resp: 267832

Ion Ratio Lower Upper

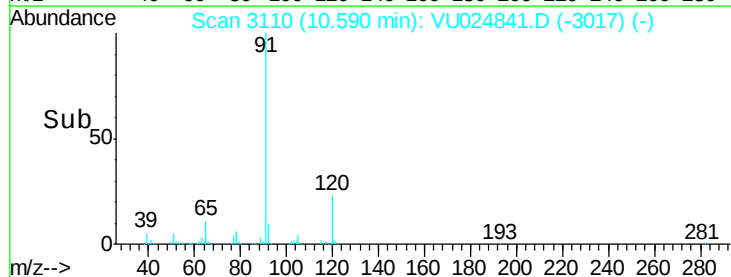
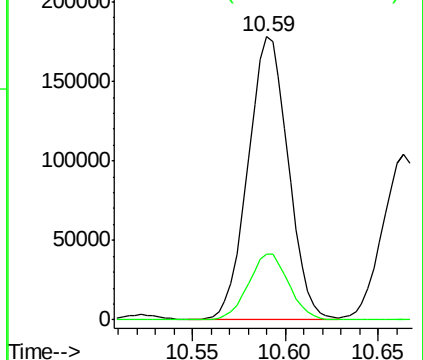
91 100

120 23.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.43 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

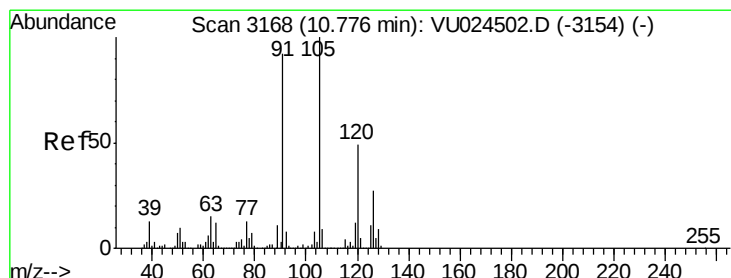
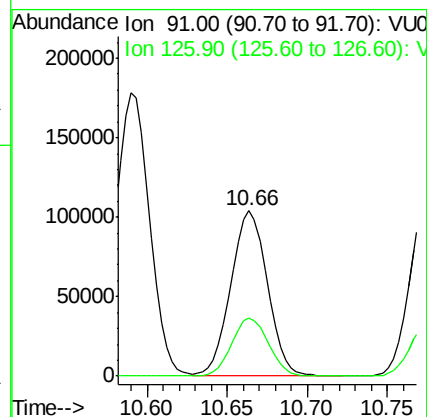
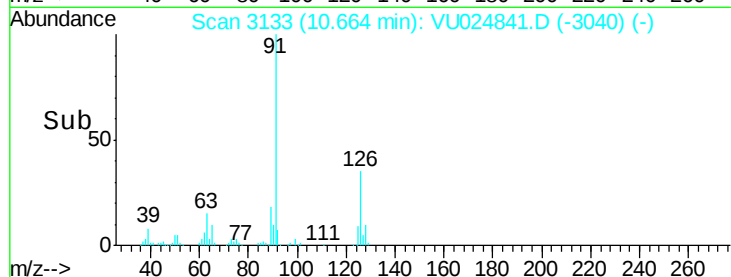
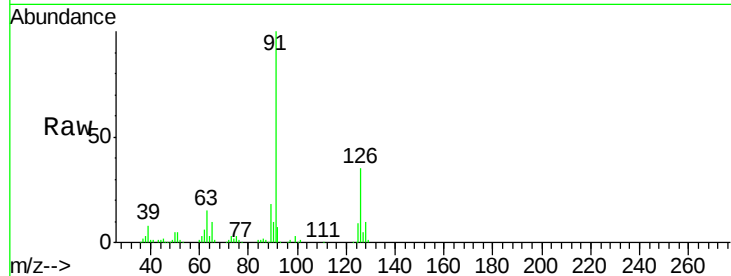
VU0623WBS01

Tot Ion: 91 Resp: 161181

Ion Ratio Lower Upper

91 100

126 35.5 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024841.D

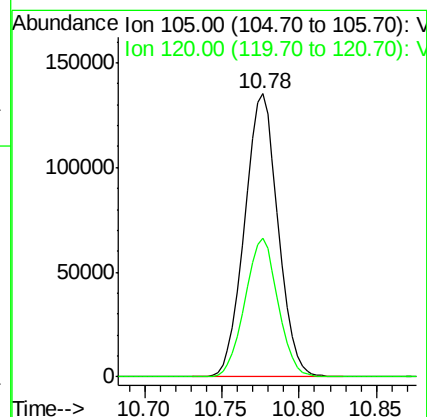
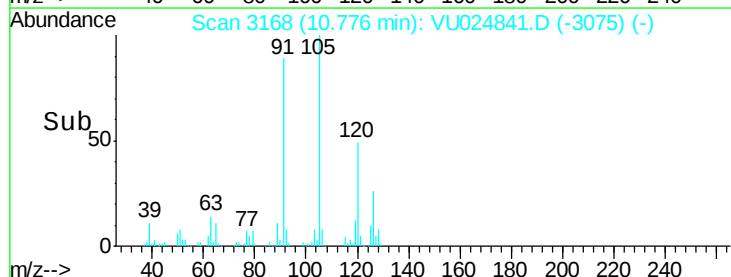
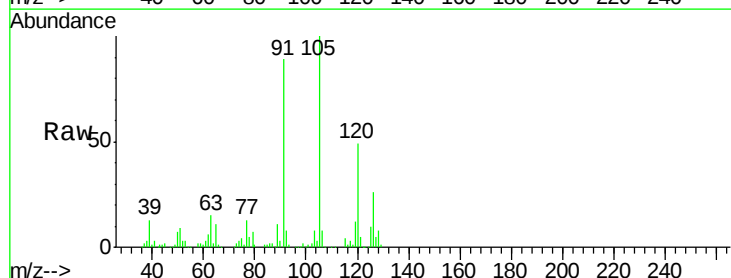
Acq: 22 Jun 2018 19:01

Tgt Ion: 105 Resp: 203206

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2

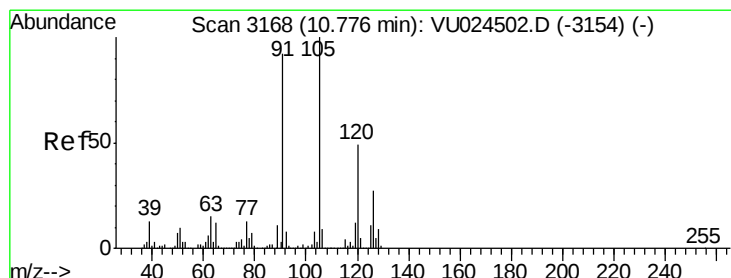
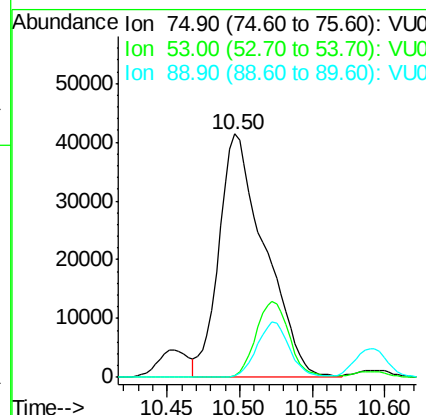
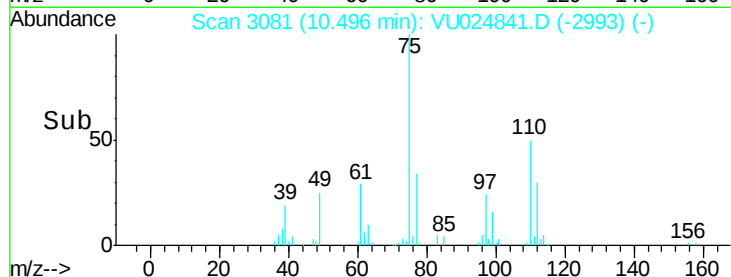
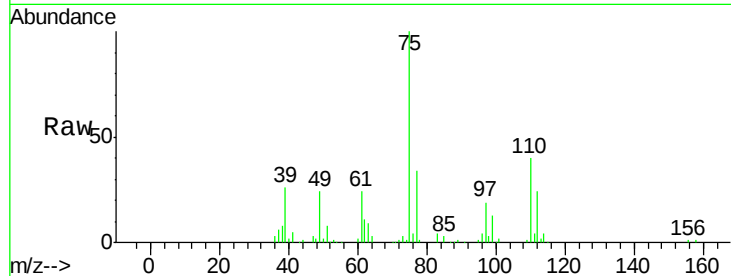




#81
trans-1,4-Dichloro-2-butene
Concen: 65.12 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

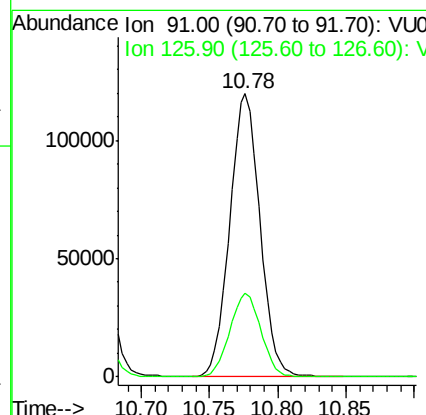
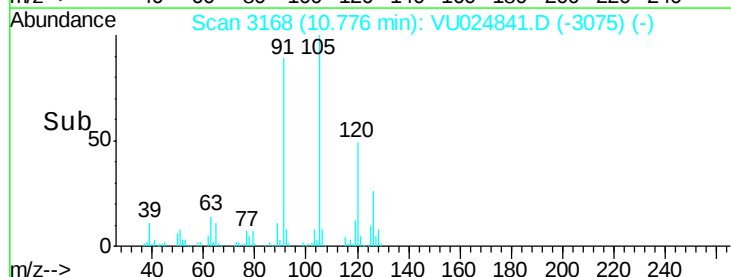
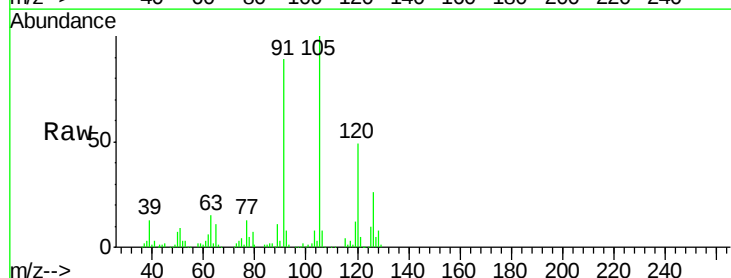
Instrument :
MSVOA_U
ClientSampleId :
VU0623WBS01

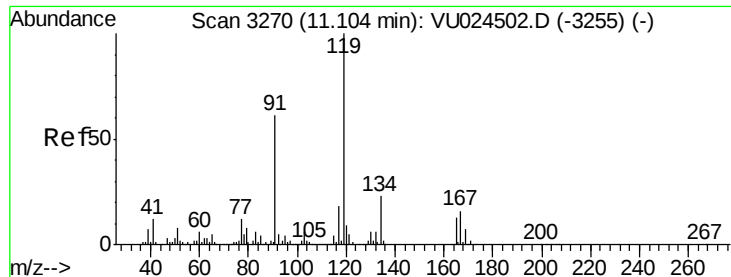
Tot Ion: 75 Resp: 91651
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.98 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024841.D
Acq: 22 Jun 2018 19:01

Tgt Ion: 91 Resp: 183488
Ion Ratio Lower Upper
91 100
126 30.4 14.9 44.9

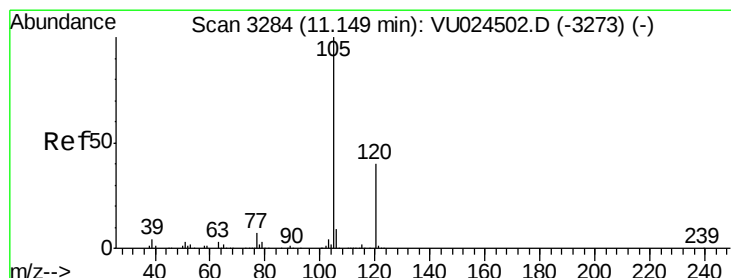
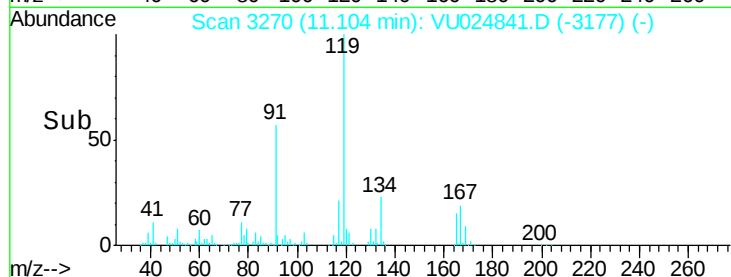
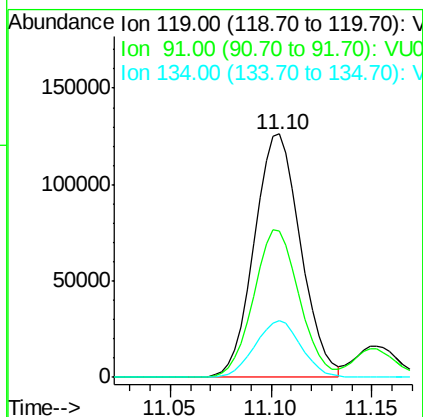
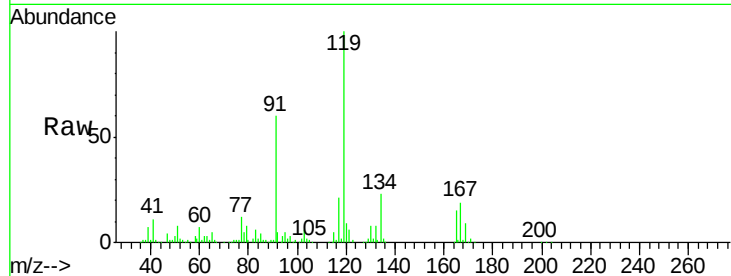




#83
 tert-Butylbenzene
 Concen: 21.35 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

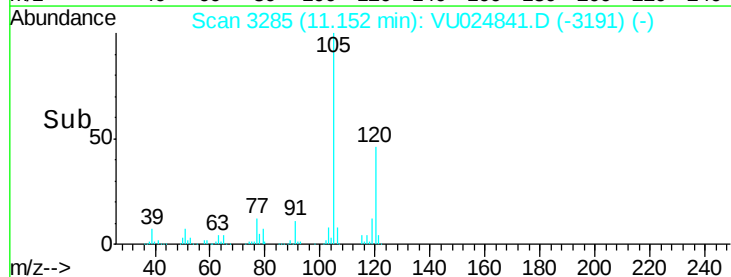
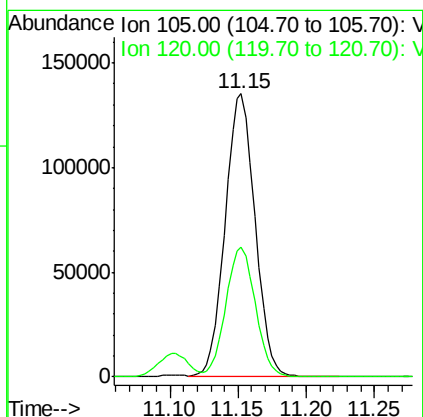
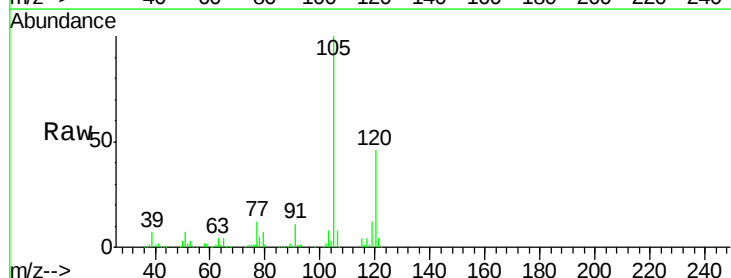
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

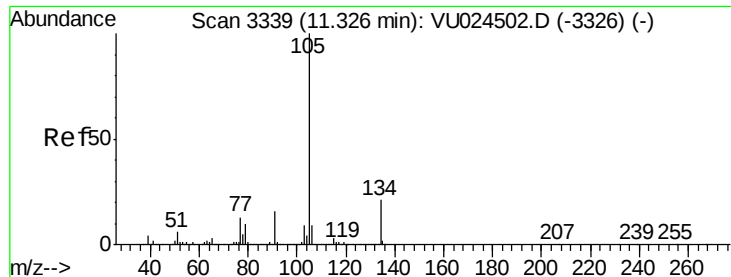
Tot Ion:119 Resp: 202242
 Ion Ratio Lower Upper
 119 100
 91 60.2 29.7 89.1
 134 23.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.54 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion:105 Resp: 206103
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8





#85

sec-Butylbenzene

Concen: 20.74 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

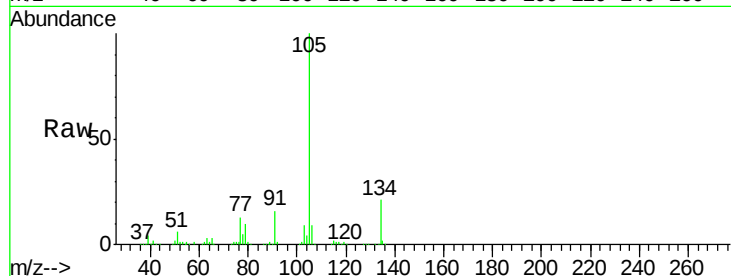
VU0623WBS01

Tot Ion:105 Resp: 245881

Ion Ratio Lower Upper

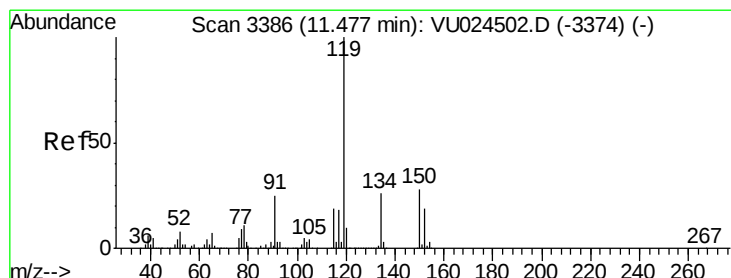
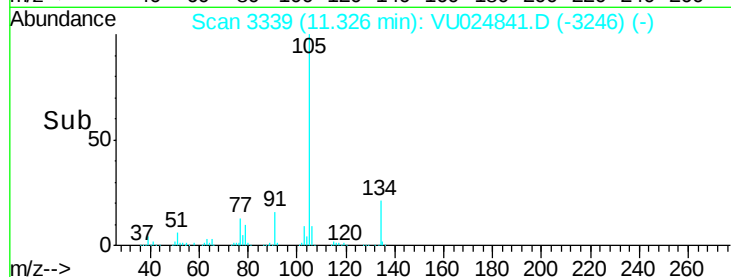
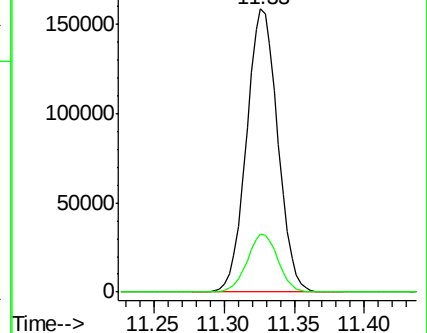
105 100

134 20.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.42 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

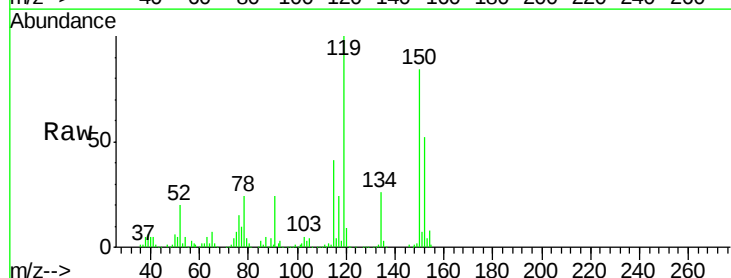
Tgt Ion:119 Resp: 216817

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

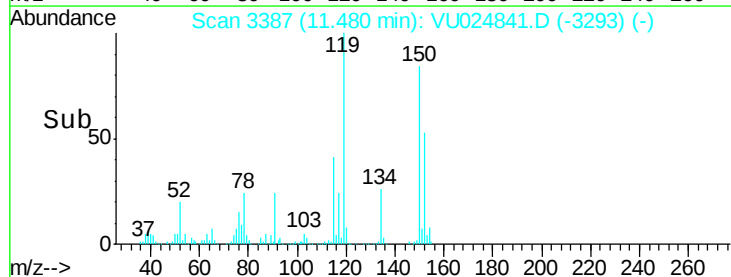
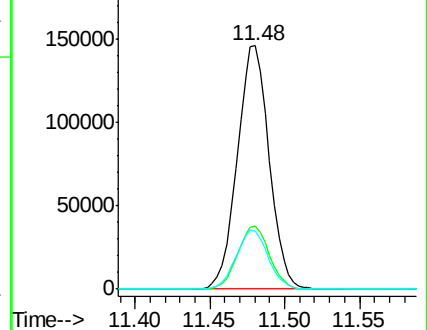
91 24.6 12.0 36.1

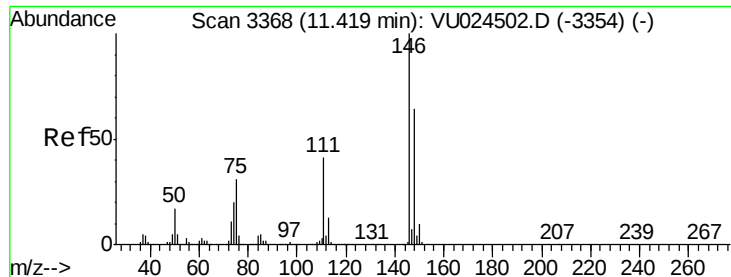


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

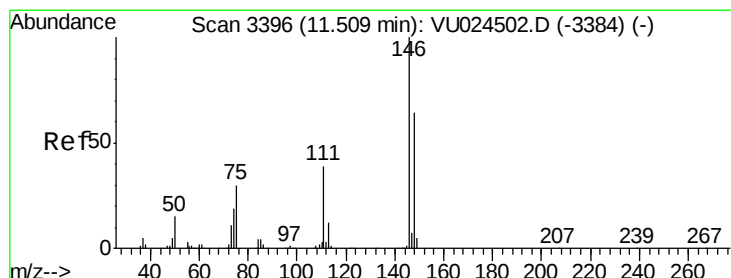
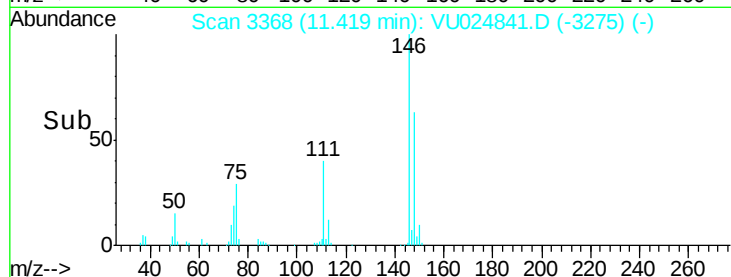
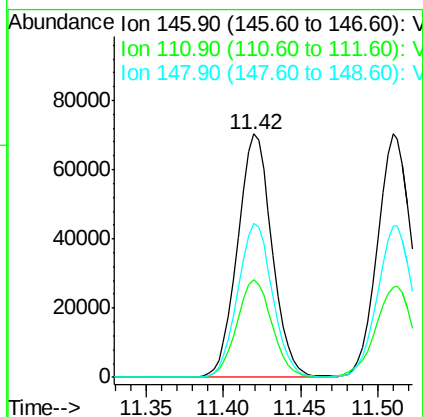
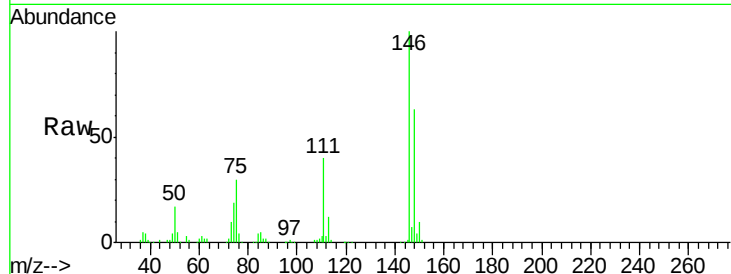




#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

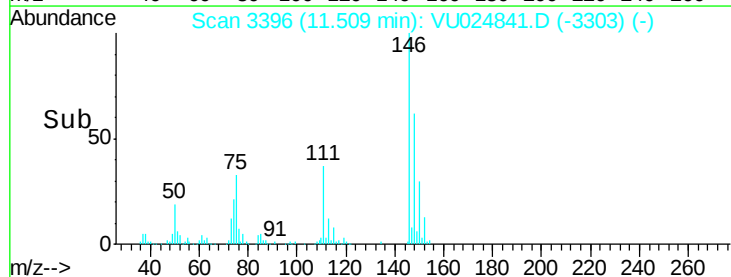
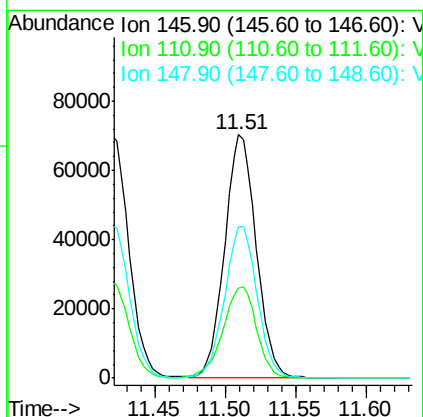
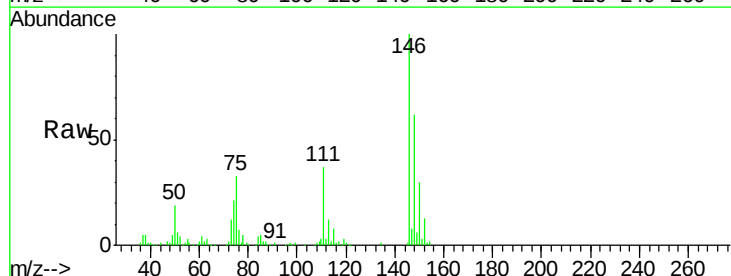
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

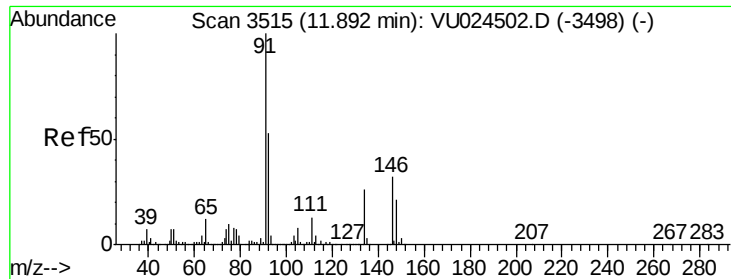
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	63.8	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.58 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.5	58.5
148	64.3	32.4	97.0





#89

n-Butylbenzene

Concen: 19.10 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

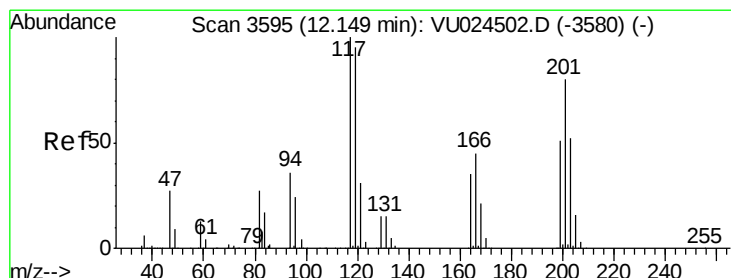
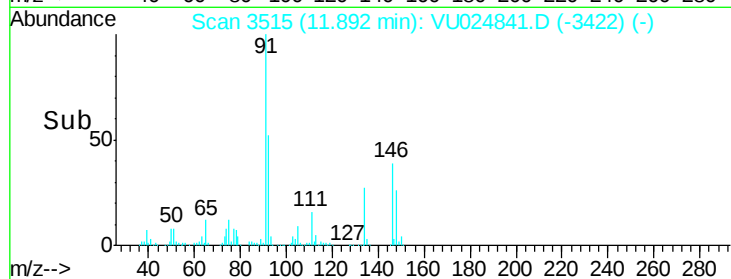
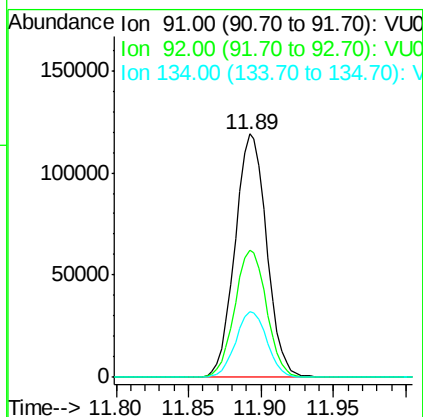
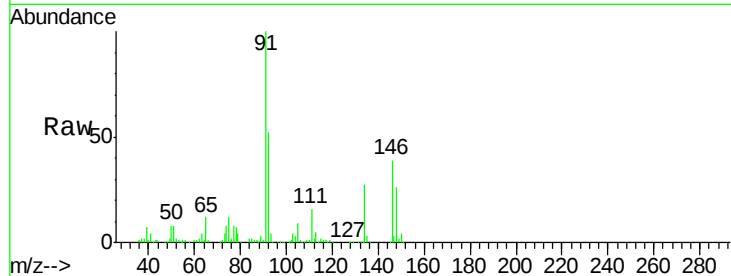
Tot Ion: 91 Resp: 180008

Ion Ratio Lower Upper

91 100

92 52.5 25.6 76.8

134 26.7 12.3 36.8



#90

Hexachloroethane

Concen: 18.34 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024841.D

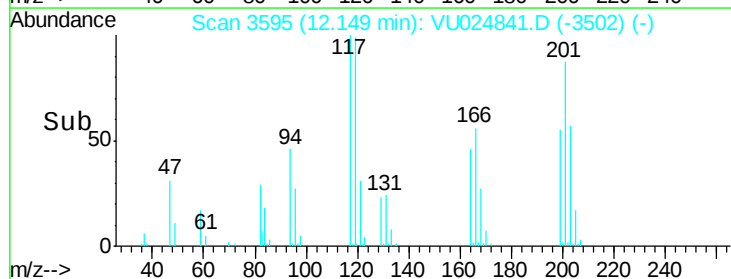
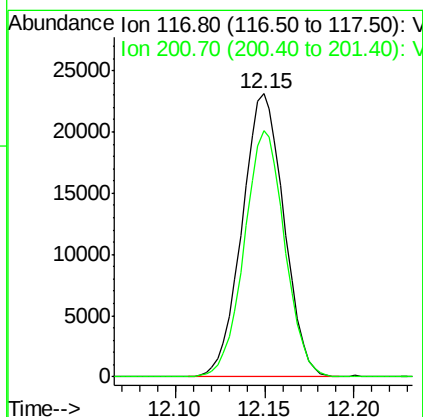
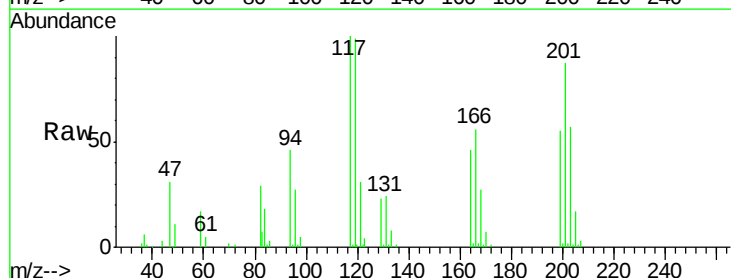
Acq: 22 Jun 2018 19:01

Tgt Ion: 117 Resp: 37984

Ion Ratio Lower Upper

117 100

201 84.0 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 21.18 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

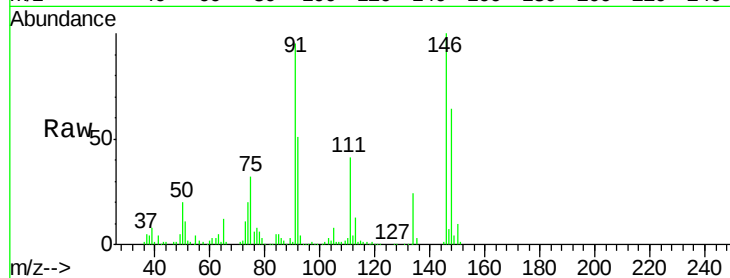
Tot Ion:146 Resp: 112691

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

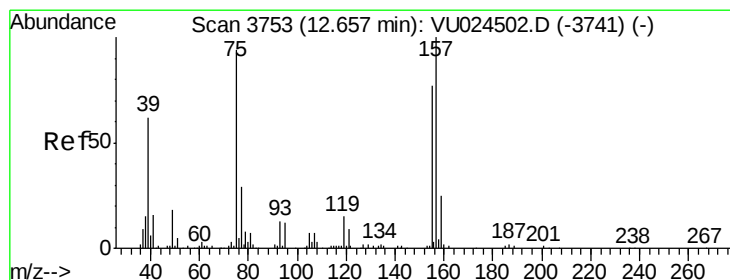
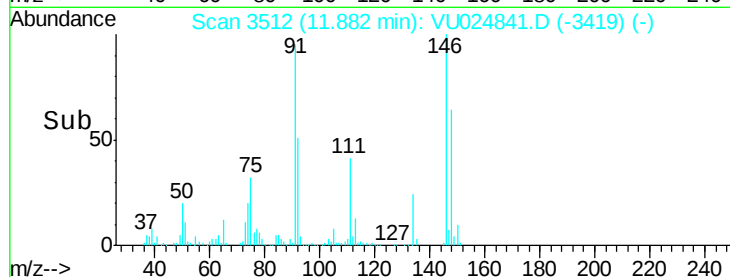
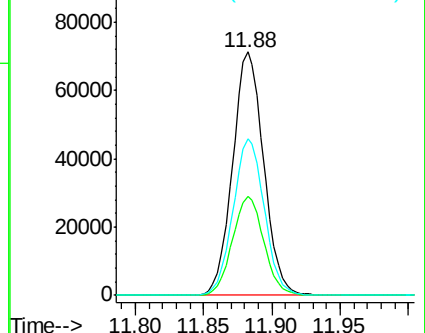
148 64.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.21 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

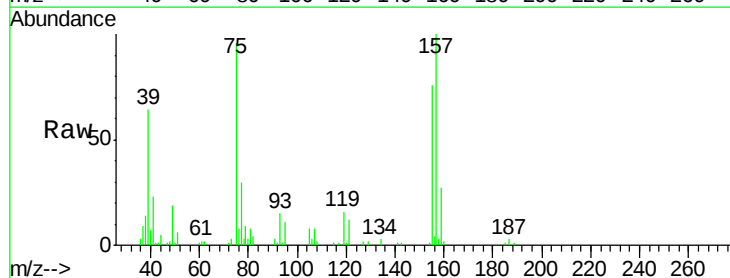
Tgt Ion: 75 Resp: 20177

Ion Ratio Lower Upper

75 100

155 84.6 40.4 121.2

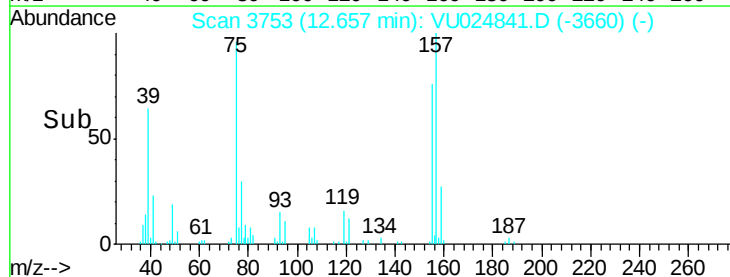
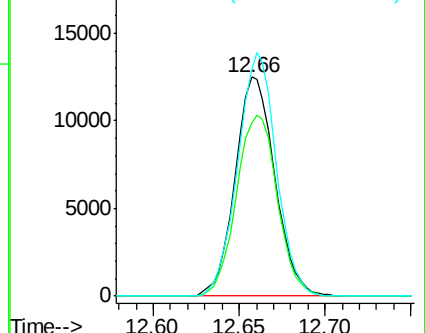
157 107.4 52.3 156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

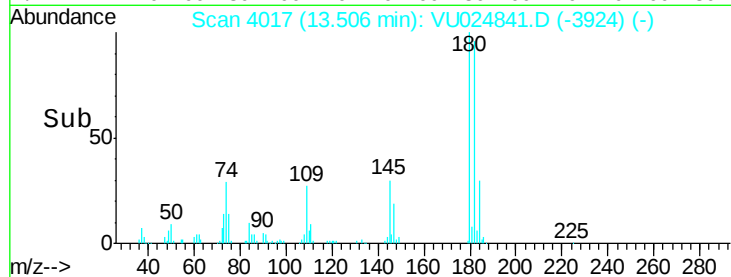
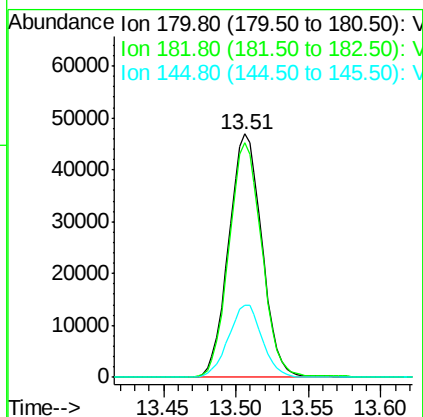
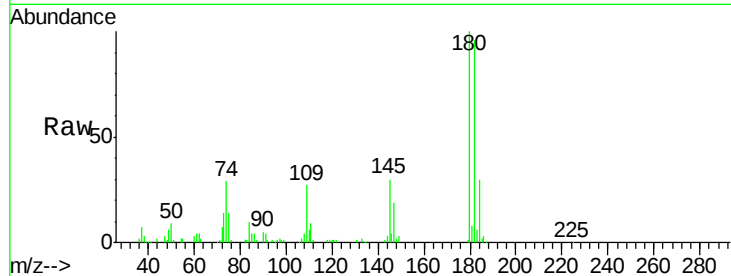




#93
 1,2,4-Trichlorobenzene
 Concen: 22.69 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

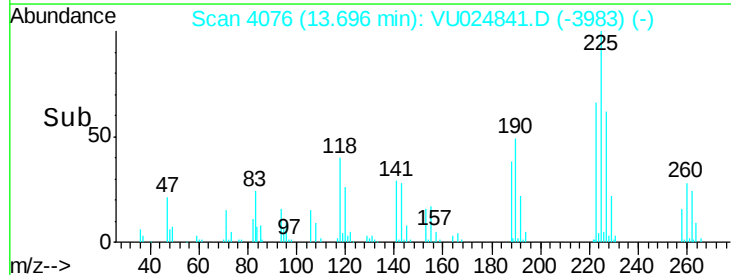
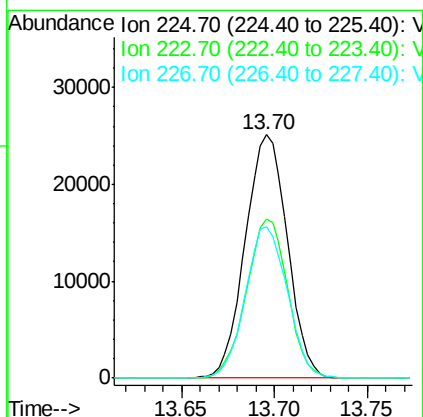
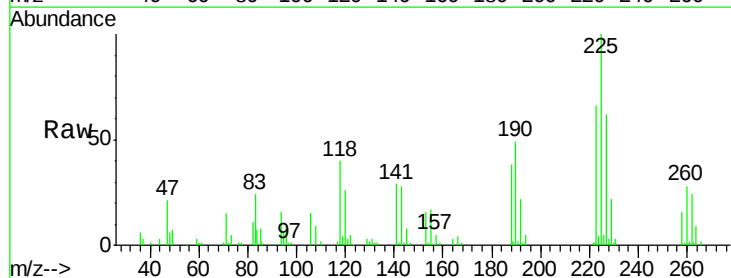
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0623WBS01

Tot Ion:180 Resp: 74574
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 21.42 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024841.D
 Acq: 22 Jun 2018 19:01

Tgt Ion:225 Resp: 39619
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.3 93.8
 227 62.2 31.8 95.4





#95

Naphthalene

Concen: 22.47 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

VU0623WBS01

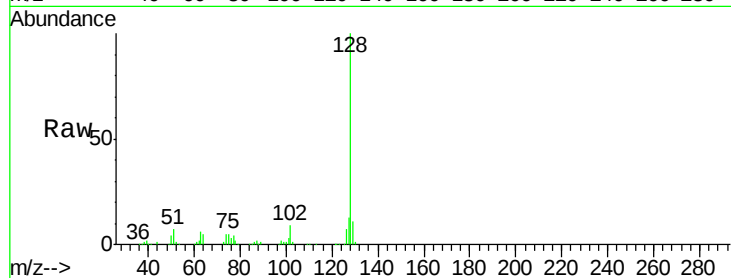
Tot Ion:128 Resp: 240360

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

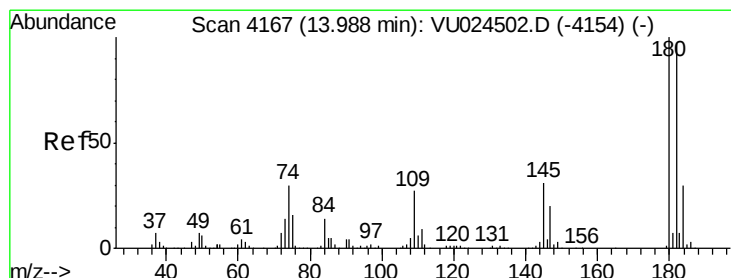
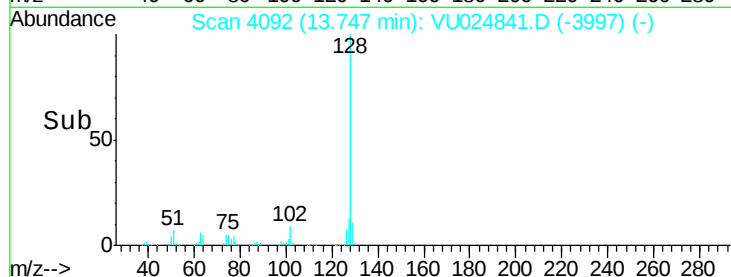
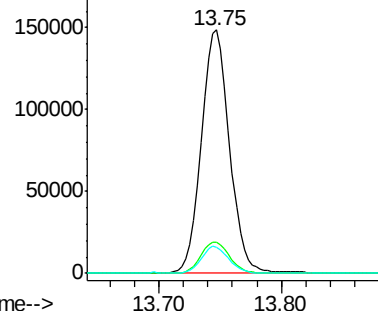
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.52 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024841.D

Acq: 22 Jun 2018 19:01

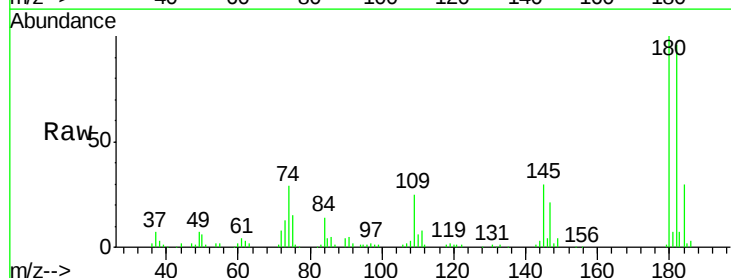
Tgt Ion:180 Resp: 80284

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.7

145 30.6 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

